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ARTESIAN RESOURCES

100 YEARS OF SUPERIOR SERVICE

Artesian Water Company ▲ Artesian Wastewater Management ▲ Artesian Utility Development ▲ Artesian Water Maryland

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DELAWARE P.S.C.

June 30, 2009

Mr. Bruce H. Burcat, Executive Director
Delaware Public Service Commission
861 Silver Lake Road
Dover DE 19904

PSC DOCKET NO. 09-284

RE: Self-Sufficiency Act of 2003

Dear Mr. Burcat:

Please accept the enclosed submission as Artesian's required report pursuant to 26 Del. C., §1401(1). This report illustrates Artesian's continued ability to ensure adequate supply at all times in Northern New Castle County. This submission is for the three year period subsequent to the initial Self-Sufficiency filing. Enclosed are the original and ten copies of Artesian's report.

Please contact feel free to contact me with any questions or concerns at (302) 453-6912.

Sincerely,

Bruce P. Kraeuter, P.E.
Senior Vice President of Engineering

Cc: Karen Nickerson
w/attachments
Stewart Lovell

664 Churchmans Road, Newark, Delaware 19702, P.O. Box 15004 Wilmington, Delaware 19850 Phone: (302) 453-6900 Fax: (302) 453-6957
P.O. Box 177 Harbeson, Delaware 19951 Phone: (302) 684-2527 Fax: (302) 684-5164
28322 Lewes-Georgetown Hwy., Unit 4, Milton, DE 19968
e-mail: artesian@artesianwater.com Website: artesianwater.com

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INTRODUCTION

On August 4, 2003, Governor Minner signed into law H.B. 118, the "Water Supply Self-Sufficiency Act of 2003" (the Act). The purpose of the Act is to ensure that water utilities in northern New Castle County "have adequate supplies of water available, even during times of drought, to meet the present and future needs of this State on a continuing and sustainable basis." (26 Del. C., §1401(1)) To accomplish this policy, a number of specific requirements are imposed upon both the jurisdictional (those utilities subject to Public Service Commission (PSC) oversight) and non-jurisdictional (those utilities exempt from PSC oversight) utilities in northern New Castle County.

For each jurisdictional water utility in northern New Castle County, on or before July 1, 2006 (and every third year thereafter), the utility shall file with the Public Service Commission the following:

1. a consumer water conservation plan for the following three-year period; and
2. a certification of adequate supply for the following three-year period. (26 Del. C., §1404(a)).

The consumer water conservation plan (Plan) must include:

1. a description of the utility's proposed methods of consumer education to:
   a. make consumers aware of the benefits arising from the efficient use of water supply;
   b. make consumers aware of, and understand, any water conservation rate in effect, or that will be implemented by the utility during the following three years;
   c. make consumers aware of the existence of both new and retrofitted consumer equipment that improves the efficient use of water; and
   d. make consumers aware of the costs arising from the loss of water through leakage in consumer water systems; and

2. for all subsequent reports, an evaluation of the effectiveness of the utility's plan in informing consumers of methods to improve efficient use of the water supply. (26 Del. C., §1404(b))

The utility must also file with the PSC a certification that the utility "has sufficient sources of water to provide adequate supply to meet the projected demand in the drought sensitive area (northern New Castle County) for the ensuing three years." With the certification, the utility must also submit supporting materials and documents identifying each source of supply and the volume of water available from each source. The supporting materials must demonstrate that the volume of supply will be adequate to meet or exceed the projected demand. (26 Del. C., §1404(d))

Beginning with the 2009 reporting year, each jurisdictional water utility must also certify that its sources of supply to meet a drought of record are not reliant upon out-of-state suppliers, except for minimum purchase obligations under purchase water contracts in existence on April 1, 2003. (26 Del. C., §1404(e))

This narrative and accompanying exhibits are intended to fulfill the requirements of the Act. The narrative is intended first to provide a basic understanding of Artesian Water Company's consumer water conservation program and provide our evaluation of its effectiveness. The narrative then proceeds to delineate Artesian's sources of supply and current and projected water demand that might be realized during a 75-day drought of record as defined by the Act. (26 Del. C., §1402(3)) This delineation demonstrates Artesian's self-sufficiency of supply under these most extreme climatic conditions. Finally, Artesian certifies its ability to meet its customers' water needs during a recurrence of a drought of record in northern New Castle County.

II. ARTESIAN'S CONSUMER WATER CONSERVATION PLAN

Artesian has long believed in the importance of wise water use. We were the first water utility in Delaware to undertake an extensive water conservation program and implement water conservation rates to encourage our customers to conserve. As a result of our efforts, we have experienced a 3.6 percent decrease in our average demand on a per customer basis between 2005 and 2008 and over the past decade (1998-2008) there has been a 10.5 percent decrease. These data indicate the success of our water conservation program.

In 1992, Artesian initiated an aggressive three-point conservation plan to encourage customers to take more responsibility for their water usage. It included:

1. A conservation-oriented inclining block rate that was initiated to encourage customers to use less water by charging a higher rate for each increasing block of consumption. People who conserve water benefit by paying the lowest unit rates, while customers who do not conserve pay a higher rate for each unit block of consumption they exceed.
2. Our "Water Conservation and Education Outreach Plan" to promote water conservation through a variety of approaches, such as bill inserts, the customer newsletter "The Pipeline", our Speakers Bureau, website, displays at community events and more.
3. Initially offering water-saving devices such as low flow showerheads and faucets to our customers at a low cost. This has been discontinued due to the many low-flow and water-efficient devices that are now widely available at home and hardware stores for a low cost.

The core elements of our plan have proved successful and therefore largely have remained in place since 1992. Today we continue to build upon them. Our future plans will incorporate new opportunities into our outreach and plans to educate the public of the need to conserve and protect this resource. Our conservation plan consists of the following:

School Programs

Our Water Conservation and Education school program for fourth graders, created in cooperation with the Delaware Department of Natural Resources and Environmental Control, continues to be very popular and effective. One of its goals is to instill in young people the desire to form good water-using habits when they are old enough to understand the importance of water conservation, but young enough to change, or avoid developing, any bad water-using habits. We have reached over 12,000 students in the last 17 years and so far in 2009 we reached almost 1,000 students in the spring semester alone. Some of the children who benefited from the school program years ago are now old enough to be Artesian customers. Feedback from this program has been very positive, with kids taking home their materials, particularly the leak detector tablets, and sharing them with their parents or adults at home. (Exhibit II-1 – School Education Materials, Tab 1; Exhibit II-2 – List of School Programs, Tab 2)

WaterSense Partnership

Since July of 2007 Artesian has been a U.S. EPA WaterSense Partner. WaterSense's mission is to protect the future of our nation's water supply by promoting and enhancing the market for water-efficient products and services. WaterSense encourages water-efficient behaviors and the purchase of quality products that use less water. As a partner we promote the WaterSense label and utilize their materials and tool kit to promote their program at all events we attend. (www.epa.gov/watersense/water/index/html) We have utilized various promotional materials such as their bathroom mirror cling, dishwasher magnet and outside water use sticker. Handouts include information on WaterSense labeled High-Efficiency Toilets (HETs) that use only 1.28 gallons per flush, "5 Simple Ways to Save Water" brochure, information on WaterSense labeled bathroom faucets (and soon to be released showerheads and kitchen faucets), Water Sense labeled irrigation systems and certified irrigation installers. We updated our website to include easy to find information and links to the

WaterSense website along with completely updating our own "Artesian Water Conservation Guide" (www.artesianwater.com/conserve/consve), and (www.epa.gov/watersense/water/index/) which is full of tips on what people can do throughout their homes and business, both inside and outside, to reduce their water usage. Our future plan is to promote their new "Fix A Leak Week" each March with information to be distributed to customers on what they can do to locate and repair leaks. We will continue to expand our promotion of WaterSense as part of our conservation program, as their label is becoming a recognized brand and it will assist people in locating water-efficient products and services.

Monthly Billing Plan

Another of Artesian's conservation plans is to move to monthly billing, as suggested by PSC Staff Consultant Mr. Soheil Garegabhi on January 29, 2007 during our last filing for self-sufficiency certification. Customers will benefit by more timely detection of possible leaks as well as a more timely indication of how much water is being used for purposes such as lawn irrigation.

Presentations to Groups

Presentations are made to groups and organizations on water conservation, supply and quality, as well as protection of the resource. Conservation presentations include an overview of how much water older less efficient devices such as pre-1994 toilets, showerheads, etc. use versus the new low-flow and water-efficient devices that, if installed, can assist customers in everyday savings of water and money. Attendees are provided with information on where and what to buy. The topics covered range from ways to save water in the bathroom, kitchen, laundry, outside, and information on the U.S. EPA's Energy Star and WaterSense programs. The presentation takes about 20-30 minutes and afterwards our speakers answer questions and hand out a variety of informational items including leak detection, water conservation and information on the EPA's WaterSense program. (www.awwa.org) (Exhibit II-3 – In-house Materials and WaterSense Toolkit, Tab 3) Our Speakers Bureau is advertised in our customer newsletter

"The Pipeline", at events we participate in, through press releases (Exhibit II-4 – Press Release Sample, Tab 4) and in mailings to civic and community groups. (Exhibit II-5 – Letter to Civic Groups, Tab 5) Some of the groups we have provided presentations to are: Timberlane Garden Club, Breeders Crown Homeowners Association, Wilmington Manor Civic Association, Birchpoint Condo Association, Hockessin AARP, Fenwick Environmental Committee, and in 2008 we participated in New Castle County Councilman George Smiley's first Public Information Meeting for the constituents of the 7th district. (Exhibit II-6 – Events Listing, Tab 6)

Community Events

Community events play an important role in our water conservation plan. Artesian sets up its water conservation exhibit at numerous events. Our personnel provide a variety of water conservation handouts and display examples of water-saving devices for purchase at local retailers. Our personnel are knowledgeable and available to answer questions regarding conservation to all attendees. Some events we have participated in and intend to do so again are the Delaware Nature Society's Harvest Moon Festival, University of Delaware's Energy Fair, HSBC's World Environmental Day, Townsend's Summer Fair, Middletown's Peach Festival, DNREC's Earth Day, Western YMCA's Healthy Kids Day, Blue Rocks Super Splash Day, Christina River Watershed Clean Up and more. (Exhibit II-6 – Events Listing, Tab 6)

Environmental Events

Artesian participates in many environmental events to promote conservation, preservation and protection of water resources. The Company regularly takes its conservation message to events such as the Delaware Nature Society's Harvest Moon Festival, our site at the Christina River Clean Up, and HSBC Earth Day. (Exhibit II-6 – Events Listing, Tab 6)

Educational Tours

We also provide educational tours of our water treatment and wastewater facilities. These tours include discussions on water supply, quality, treatment and transmission. We provide conservation handouts and discuss the importance of saving water with all attendees. Teachers, students, legislators, and girl and boy scouts have all toured our facilities. (Exhibit II-6 – Events Listing, Tab 6)

Pamphlets and Mailings

We provide a number of different pamphlets through mailings and at the customer's request. As part of our "Welcome" package to all of our new customers, we provide booklets such as "25 Things You Can Do to Prevent Water Waste", "Household Guide to Water Conservation" and "Landscaping to Conserve" (produced by the American Water Works Association, www.awwa.org) just to name a few. (Exhibit II-7 – Welcome Letter, Tab 7) In the period of 2006 through 2008 we have sent out water conservation information to over 19,125 new customers. Customers identified with higher than normal water bills receive a letter that their consumption has gone up and included with that letter is a pamphlet on water conservation and leak detection. (Exhibit II-8 – High Consumption Letter, Tab 8) For the period of 2006 through to 2008 over 11,476 customers received that information and over 2,000 customers contacted us by phone to discuss high bills. For customers we provide leak detection tablets and a brochure called "Even You Can Fix A Leaky Toilet" (Exhibit II-9 – Even You Can Fix a Leaky Toilet, Tab 9) to assist customers with the source of the number one leak in the home, the toilet. We encourage customers with pre-1994 toilets to replace them with water-saving toilets using 1.6 gallons per flush or less as advised in our "Even You Can Fix A Leaky Toilet" brochure and in our "Artesian Conservation Guide" on our website. Our conservation ruler, which has examples of how much water can be lost through various size leaks as well as encouraging quick repairs, along with our 5-minute shower timer to promote shorter showers, continue to be some of our more popular handouts. Another

popular handout is our sponge with a conservation message "To Conserve Water and Soak Up The Savings... Get tips on ways to conserve at www.arteisanwater.com."

National Water Week

During the first week of May, the Company celebrates "National Water Week" with a display in our lobby of conservation ideas and handouts for customers and visitors. We also send out conservation material available from the EPA Water Sense Tool Kit (www.epa.gov/watersense/water/index/html) and posters to the libraries in New Castle County. In addition, the landscaping in front of the Company's main office is a Certified Backyard Habitat, designed to provide food, water, home and recreation for wildlife. It serves as an example of an alternative landscaping idea that also uses water conservatively.

Assistance to Commercial Customers

Upon request, Artesian will provide assistance to our commercial customers on conservation and leak detection. The materials on conservation provided to the majority of our customers who are residential, also assists our commercial customers. In most cases we can provide additional expertise to a commercial provider who is experiencing an increase in usage; however the extent of what we can reasonably assist with is determined on a case-by-case basis. We will work with commercial customers and ask them to consider retrofitting older facilities with water-efficient devices.

Artesian has served Delaware for over 100 years and we remain committed to taking appropriate and necessary steps to protect our water resources to ensure that we have enough water for the next 100 years and beyond. Our efforts over the past three years have resulted in a 3.6 percent decrease in average demand per customer which equates to 10 gallons less per customer per day and with an overall decrease of 10.5 percent in the last ten years or 30 gallons less per customer per day. We estimate over 3.4 million

gallons have been saved over the last 10 years and 1.2 billion gallons over the last three years. Without these conservation efforts over the past three years more than one million gallons per day of additional supply would have been committed to meet customer demand. These figures indicate the success of Artesian's Water Conservation Plan and our efforts to meet the water conservation provisions of the Delaware Self-Sufficiency Act.

III. ARTESIAN'S WATER SYSTEM

Overview

Artesian Water Company's water system service territory extends over 100 square miles in northern New Castle County. The Company serves about 66,000 metered customers in this portion of its service territory.

The portion of the water system located in northern New Castle County is divided into eight hydraulic service levels categorized by elevation changes. Water is readily transferred from one service level to another through a series of twelve booster pumping stations (transferring water from lower to higher pressure areas) and sixteen pressure reducing valves (transferring water from higher to lower pressure areas). As a result, the entire system is integrated and considered to be one system, regardless of where supplies and demands are located. A system map for this area is attached as Exhibit III-1, Tab 10. Although Artesian integrated its northern New Castle County system with its system in southern New Castle County during 2004, no water is assumed to flow north or south through this main as part of this submission.

In northern New Castle County, Artesian's primary source of supply is groundwater, which is supplied from fifty-three operating wells. Artesian also has thirteen direct interconnections with other water suppliers, which augment its groundwater supply. Self-supply currently accounts for about 80 percent of Artesian's system delivery in this area; contractually required purchases through one interconnection accounts for the remaining 20 percent.

With the exception of the Hockessin and Middle Run well fields, all of Artesian's wells are located in the Atlantic Coastal Plain. Sediments vary in thickness and uniformity, but generally consist of layers of sands, gravels, silts, and clays. With the exception of a few older wells in northern New Castle County, all of Artesian's wells are located in confined aquifers. This means that the sands from which these wells pump are physically separated from the ground surface by a significant clay barrier that protects against potential contamination from the downward leakage of impurities into the aquifer. Artesian also has a few older wells, which pump water from the water-table aquifer. The water table is the first water encountered from the ground surface when a well is drilled.

The Hockessin and Middle Run wellfields are located in the Piedmont Province, which is overlain by thin layers of unconsolidated sediments. In this region, wells are drilled into the underlying bedrock and intersect cracks and fissures connected to the ground surface. These cracks and fissures provide the water that is pumped.

The water supply from the Coastal Plain in northern New Castle County typically has low pH, high carbon dioxide, and is generally characterized as a soft water. The water supply from the Piedmont area has relatively high pH, low carbon dioxide, and is generally considered to be hard water. As a result of this mixed groundwater supply, Artesian has to employ a variety of treatment methods to meet state and federal water quality standards including aeration, pH adjustment, chlorination, fluoridation, and iron removal. In three instances (Airport Industrial Park, Llangollen, and Collins Park) granular activated carbon treatment has been added for the removal of synthetic organic compounds. Additionally, a corrosion inhibitor is added to all of the Company's self-supply and most of its interconnections. Artesian's water supply is treated at eighteen different locations in northern New Castle County.

In northern New Castle County, the Company has twenty storage tanks, with total system storage of 35 million gallons ("MG"), of which about 22 MG are available for use while still maintaining a minimum of 25 pounds per square inch ("psi") pressure to its

customers. The water distribution system consists of more than 800 miles of pipeline ranging from 2-inches to 24-inches in diameter and more than 3,000 hydrants.

Water storage serves a number of purposes. First, it is used to maintain constant water pressure to our customers. Second, it is used to meet peak demands as they occur throughout the course of the day (typically during the morning and evening hours). Third, storage is available to meet emergency demands such as those that would arise in fighting a fire. Finally, storage makes water available during emergencies, such as a pump or electrical failure.

Existing Supply

Self-Supply

Production for each of the Company's wellfields in northern New Castle County over the past ten years is set forth in Exhibit III-2, Tab 11. This information shows that pumpage from Company-owned wellfields has increased over the past several years to the point where Artesian's reliance on purchased water is now significantly reduced. Equally important, Artesian's production from these wellfields is constrained by the actual demand upon its system. Therefore, historic production cannot be construed to be any limitation upon what these wellfields can actually produce.

Most of these wells and wellfields are limited in the amount of water that may be withdrawn by allocation permits issued by the DNREC. The constraints imposed by allocation permits are set forth in Exhibit III-3, Tab 12. The first two columns identify each wellfield and well within the system. The third column shows the maximum allowable level in feet below ground surface (drawdown) to which pumpage from each well can lower the water level of the aquifer from which it is pumping. It must be noted that DNREC does not impose drawdown limits on wells pumping from the water table aquifer. In those instances, the limit presented in the exhibit is solely for use by Artesian personnel. For each well, the fourth and fifth columns reflect the maximum amount of water (in gallons per minute and million gallons per day) that each well may withdraw at any point in time. The sixth, seventh, and eighth columns show the maximum allowable

withdrawal for the wellfield for any one day, any thirty-day period, and any year, respectively.

Generally, the wells and wellfields pump at rates less than the pumping limits set forth in the allocation permits. The wells and wellfields are limited in the amount they may withdraw for several reasons. First, well or wellfield total pumpage may not exceed permitted pumping limits. This limitation is imposed on an instantaneous, daily, monthly, and annual basis.

Second, water level drawdown of wells may not exceed permit limits. This regulatory constraint may reduce the amount of pumpage that can be realized from a well or wellfield to less than the permitted pumpage quantities. Given that the water levels of these wells are checked on a weekly basis and that water levels can vary significantly due to small variations in pumpage or changes in precipitation, it is important that some "margin of safety" be maintained between measured drawdown levels and levels permitted by allocation permit.

Finally, we can only pump wells to the extent that we have demand from our customers. Again, it is necessary that we purchase the minimum quantities of water not only to meet contractual obligations, but also to prudently manage our self-supply. Pumpage from our wellfields, therefore, is used to make up the difference between our minimum purchase quantities and actual system demand. Constraints on potential production from each wellfield are set forth in Exhibit III-4, Tab 13.

In an effort to quantify the capacity of its wellfields during a recurrence of the drought of record, Artesian has undertaken 30-day pumping tests of its wellfields. The results of this testing is summarized in Exhibit III-5, Schedule 1, Tab 15. Results of the 30-day tests for each well in each wellfield are presented in Exhibit III-5, Schedules 2 through 53, Tab 16. Note that several wells identified in Exhibit 4 as having constraints are not considered to provide capacity during a drought of record, even though these wells are

available for use and would likely be used in such an event. Those wells are identified as "Emergency Use" in Exhibit III-5, Tab 14.

The Llangollen ASR well has not specifically undergone a 30-day pump test for purposes of this filing. Instead, a 30-day period during recovery in 2006 is used for purpose of quantifying the capacity of this well. During the intervening years of 2007 and 2008, the specific capacity of this ASR well has fallen off. During the winter of 2008-2009, the well was redeveloped to restore its capacity. Artesian may provide supplemental testimony to incorporate the restored capacity as part of this filing.

Additionally, the pump test for the Wilmington Airport well field reflects pumping for a 22-day period. Artesian will provide updated supply exhibits as part of a supplemental filing.

Artesian's self-supply from its own wells is presented in Exhibit III-5, Tab 14. In summary, a total of 23.74 MGD of self-supply from Artesian's wells is available to meet water demands during a recurrence of the 75-day drought of record.

Interconnections

In northern New Castle County, Artesian maintains a total of fourteen interconnections with adjacent water utilities. These interconnections, along with their hydraulic capacities, are presented in Exhibit III-6, Tab 15. Although a number of these interconnections provide for the transfer of water in either direction (either to Artesian from a neighboring utility, or from Artesian to the neighboring utility), Artesian can purchase nearly 13 MGD during normal conditions and about 14 MGD during peak demand conditions, assuming the availability of supply by neighboring suppliers. Average day capacity is the amount of water that is available through each of these interconnections under normal demand conditions. Maximum month capacity reflects the hydraulic capacity of the interconnection to flow water. The interconnections, however, may be limited by the supply available to the provider during drought periods.

Artesian has contractual obligations to purchase water through one interconnection. Artesian has had an agreement with Chester Water Authority (CWA) for the purchase of water since 1990. This agreement requires Artesian to purchase a minimum of 3.0 MGD on an annual basis (1,095,000,000 gallons per year). Although the Company may purchase up to 6.0 MGD, it must purchase a minimum of 2.0 MGD on any given day. Under this contract, Artesian is treated as a customer and CWA may not curtail Artesian's purchases beyond any restrictions CWA may impose upon all of its customers. Artesian, therefore, considers its annual contractual minimum purchase to be 1.095 billion gallons (3 MGD) for purposes of Section 1404(e) of the Act. To suggest anything less than this quantity would penalize Artesian's customers by forcing them to pay for water that Artesian did not use. In other words, if the 3.0 MGD is not included in the Section 1404(e) certification, Artesian's customers will nevertheless pay for this quantity while also paying for an alternative supply to make up the difference. A copy of Artesian's contract with CWA is presented as Exhibit III-7, Tab 16.

Additionally, Artesian has an interconnection with the Town of Elkton which requires the Town to purchase 50,000 gallons per day (gpd). Under this agreement, the Town has the option to purchase as much as 200,000 gpd. The supply to meet Elkton's needs is derived from the 3MGD contractual commitment by CWA that is not considered available under the provision of the Self-Sufficiency Act. Therefore, the supply available through the interconnections with CWA and New Castle are unaffected for the purpose of this filing.

All interconnections other than that with the CWA and Elkton are typically used for emergencies and are available to the extent that the provider has adequate supply available. Of these other interconnections, only the City of New Castle, whose source of supply is groundwater, may be considered reliable under drought conditions. Artesian has been able to reliably depend upon the City of New Castle for up to 700,000 gpd during drought periods in the past. For this analysis, the City of New Castle interconnection is considered to be available at a rate of 0.7 MGD.

To summarize, for purpose of this analysis, only the 3.5 MGD supply is considered available through Artesian's interconnections during a recurrence of a 75-day drought of record.

Storage

A description of Artesian's storage facilities in northern New Castle County is presented in Exhibit III-8, Tab 17. All of the facilities in this exhibit are storage tanks that are distributed throughout Artesian's system in northern New Castle County. Since this is an integrated water system, all storage serves all customers within the system.

Additionally, Artesian has two aquifer storage and recovery (ASR) wells identified on Exhibit III-1 the Llangollen ASR well and the Fairwinds ASR well. The Fairwinds ASR well has been used as a production well since 2002 and is, therefore, not considered available as additional storage. In 2006, the Llangollen ASR well stored 125 MG and recovered 93 MG during the summer. In 2007, the ASR well stored 98 MG and recovered 93 MG for distribution. In 2008, the Llangollen ASR well stored an additional 90 MG and recovered 55 MG during the summer. Through May 2009, 80 MG has been stored at the Llangollen ASR well for recovery this summer. The recovery from the Llangollen ASR well is limited by total available volume in storage. Artesian has demonstrated that at least 120 MG of water can be stored and recovered from this well over the course of a drought period. Hence, for a 75-day drought of record period, an average of 1.6 MGD is available to be recovered from storage. The actual ASR recovery capacity is limited by aquifer and well characteristics, which is reflected in Exhibit III-5 Schedule 53, Tab 15.

Historic and Current Demand

A summary of historic delivery of water to the northern New Castle County system is presented in Exhibit III-9, Tab 18. This table presents in column 2 the number of customers in northern New Castle County at the end of each calendar year for the past twenty-five years (since 1981). Columns 3 and 4 present the total production in million gallons for the year and average daily production, respectively. Column 5 presents the

percentage increase or decrease in production from the previous year. Column 6 presents the average per customer delivery in gallons per day per customer for the year. Columns 7 and 8 present the maximum monthly water delivery for each year through the 25-year history in both MG/month and average MGD for the month, respectively. Column 9 presents the ratio of the maximum monthly production to the annual average production.

A number of observations are in order:

- The number of metered customers in northern New Castle County over the past 28 years has increased 84%, from 36,449 metered customers in 1981 to 66,971 metered customers at the end of 2008. There has been a 9% increase in metered customers over the past decade.

- Total system delivery to meet the needs of these customers has increased 57% over the past 28 years. System delivery, however, has declined by two percent over the past decade, with system delivery in 1999 of 18.24 MGD decreasing to 17.84 MGD in 2008.

Per customer delivery has declined significantly and consistently over the past decade, from 297 gpcd in 1999 to 266 gpcd in 2008. This is a decline in per customer demand of 12 percent over the past decade, or a decline of more than one percent per year. Per customer water delivery since 1992 is presented graphically in Exhibit III-10, Tab 19. This graph clearly depicts the constant and continuing decline in customer water use ever since Artesian commenced its water conservation efforts in 1992.

Projected Demand

The Self-Sufficiency Act very clearly states that Projected Demand "means the anticipated demand for water supply in the drought sensitive area during a drought of record in the projected year as determined for each water utility by the Water Supply Coordinating Council." (26 Del.C., Section 1402(7)) The PSC order No. 6954 in PSC Docket No. 05-82 recognized the Water Supply Coordinating Council's primacy in projecting demands when it stated "... determinations of projected demands are now within the bailiwick of the Water Supply Coordinating Council." The Water Supply

Coordinating Council (WSCC) approved its demand projections on February 20, 2009 and forwarded its projections to the Public Service Commission by letter dated February 23, 2009. That letter is presented in Exhibit III-11, Tab 20. Table 6, Water supply and demand projections for northern New Castle County through 2012, depicts Artesian Water Company as having a projected demand of 22.9 MGD. In accordance with the Self-Sufficiency Act, the demand projected by the WSCC through 2012 of 22.9 MGD is relied upon in this certification.

Summary of Supply and Demand

The water supply and demand balance projected through the year 2012 is presented in Exhibit III-12, Tab 21. To summarize, Artesian currently has a total water supply capacity of 27.437 MGD (22.770 MGD from production wells, 0.967 MGD from ASR, and 3.7 MGD through interconnections) during a recurrence of the drought of record.

Given the 2012 projected demand through a drought of record of 22.9 MGD, as provided by the Water Supply Coordinating Council, Artesian would have a margin of safety of 4.537 MGD, or about 20 percent of projected maximum monthly demand.

Given the results of these supply/demand analyses conducted for the purpose of this self-certification of supply, it is concluded that Artesian's sources of supply are adequate to ensure that Artesian has the water supply capability necessary to meet its customers' needs during a recurrence of a 75-day drought of record.

IV. CERTIFICATION OF WATER SUPPLY SELF-SUFFICIENCY

I, Dian C. Taylor, do hereby certify that Artesian Water Company, Inc. has sufficient sources of water supply to meet projected demands through a drought of record in northern New Castle County through the year 2012.

Dian C. Taylor, President, CEO, Chair of the Board — Date: 6-30-09

I, Bruce P. Kraeuter, do hereby certify that Artesian Water Company, Inc. has sufficient sources of water supply to meet projected demands through a drought of record in northern New Castle County through the year 2012.

Bruce P. Kraeuter, P.E., Senior Vice President — Date: 6-30-09

LIST OF EXHIBITS

1

SEE BOOK
IN FILE

2

SCHOOL PROGRAMS (Joanne Rufft)

DATE	DAY	TIME	School	Contact	Address	Grade	Number of Students	Resources
through June 2004			Conservation Program		Various schools	4th	7,000	Nancy Parker
7/2004 - 6/2005			Conservation Program		Various schools	4th	1,130	Nancy Parker
7/2005 - 6/2006			Conservation Program		Various schools	4th	1,802	Nancy Parker
7/2006 - 6/2007			Conservation Program		Various schools	4th	480	Nancy Parker
7/2007 - 8/2007			Conservation Program		Various schools	4th	30	Nancy Parker
9/2007 - 1/2008			Conservation Program		Various schools	4th	599	Nancy Parker
12/12/07	Wed	10:30 - 12:30	Pleasantville Elementary School	Melissa Olinger 323-2935 molinger@colonial.k12.de.us	16 Pleasant Place New Castle DE 19720	4th	81	TV, VCR, 3 tables, water source Joanne Rufft, Speaker
				Total as of January 2008			11,122	

2008 SCHOOL PROGRAMS/Community Events (Joanne Rufft)

DATE	DAY	TIME	School	Contact	Address	Grade	Number of Students	Resources
03/03/08	Mon	8:45 - 10:45	Albert Einstein Academy	Melissa Hinespeter 478-5026 x 104	101 Garden of Eden Road Wilmington DE 19803	4th	10	Enviroscape, Groundwater Model, Video, Handouts, etc. Joanne Rufft, Speaker
04/30/08	Thurs	10:00 - 2:00	MOT Charter School	Dorinda Stagg 376-5125 dorinda.stagg@mot.k12.de.us	1156 Levels Road Middletown DE 19709	4th	75	TV/VCR & water source available in room. Demonstration involves a short video, Groundwater Model, Enviroscape Model and Water Conservation discussion. Joanne Rufft, Speaker
05/06/08	Tues	12:45 - 2:15	Wilmington Manor Elementary Colonial School District	Shirley Stewart 302-323-2901 ext. 1015 sstewart@colonial.k12.de.us	200 East Roosevelt Avenue New Castle DE 19720	4th	70	TV/VCR & water source available in room. Demonstration involves a short video, Groundwater Model, Enviroscape Model and Water Conservation discussion. Joanne Rufft, Speaker
05/21/08	Wed	8:45 - 10:15	Jennie Smith Elementary School Christina School District	Kathy Lyons 454-2174 ext. 13386 lyonsk@christina.k12.de.us	142 Brennan Drive Newark DE 19713	4th	53	TV/VCR & water source available in room. Demonstration involves a short video, Groundwater Model, Enviroscape Model and Water Conservation discussion. Joanne Rufft, Speaker
05/22/08	Thurs	1:15 - 2:45	Jennie Smith Elementary School Christina School District	Kathy Lyons 454-2174 ext. 13386 lyonsk@christina.k12.de.us	142 Brennan Drive Newark DE 19713	4th	53	TV/VCR & water source available in room. Demonstration involves a short video, Groundwater Model, Enviroscape Model and Water Conservation discussion. Joanne Rufft, Speaker
07/14/08	Mon	12:00 - 1:00	Tatnall School Summer Program	Michelle Jennings 892-4347 jennings@tatnall.org	1501 Barley Mill Road Wilmington DE 19807	1st - 3rd	49	1st, 2nd, 3rd - Water Hog Haven, Water Cycle, Enviroscape, Conservation Tips
07/14/08	Mon	1:15 - 2:45	Tatnall School Summer Program	Michelle Jennings 892-4347 jennings@tatnall.org	1501 Barley Mill Road Wilmington DE 19807	4th - 6th	41	4th, 5th, 6th - Video, Groundwater Model, Enviroscape, Water Conservation Tips
10/15/08	Wed	9:00 AM - 11:00PM	Redding Middle School (Appoquinimink School District)	Debbie Kirk, Agriscience Teacher, 302-378-5030, Debbie.Kirk@appo.k12.de.us	201 New St., Middletown, DE 19709	7th	48	Joanne Rufft (2 classes ea 45min. 20 students & then 28) Request came through Wayne Kubik's daughter

SCHOOL PROGRAMS (Joanne Rufft)

DATE	DAY	TIME	School	Contact	Address	Grade	Number of Students	Resources
10/27/08	Mon	1:00 pm - 2:30 pm	Wilmington Manor Elementary (Colonial School District)	Shirley Stewart, sstewart@colonial.k12.de.us, 323-2901 ext. 1015	200 E. Roosevelt Ave., New Castle DE 19720 – Behind Wilmington College	4th	75	Nancy Parker & Joanne Rufft to present. Chris McCurdy to train
10/28/08	Tue	12:00 PM - 1:30 PM	Jennie Smith Elementary (Christina School District)	Debbie Schrass, schrassd@christina.k12.de.us, 454-2174 x13370	142 Brennen Drive Newark, DE 19713	4th	29	Joanne Rufft
10/29/08	Wed	12:00 PM - 1:30 PM	Jennie Smith Elementary (Christina School District)	Debbie Schrass, schrassd@christina.k12.de.us, 454-2174 x13370	142 Brennen Drive Newark, DE 19713	4th	25	Nancy Parker & Chris McCurdy to train
10/30/08	Thu	12:00 PM - 1:30 PM	Jennie Smith Elementary (Christina School District)	Debbie Schrass, schrassd@christina.k12.de.us, 454-2174 x13370	142 Brennen Drive Newark, DE 19713	4th	25	Joanne Rufft
12/22/08	Mon	8:45 - 10:00	Clayton Elementary School	Crystal Reynolds ReynoldsCrystal@smyrna.k12.de.us	510 Main Street Clayton DE 19938	4th	50	Nancy Parker, Joanne Rufft, Speakers
12/22/08	Mon	10:15 - 11:30	Clayton Elementary School	Crystal Reynolds ReynoldsCrystal@smyrna.k12.de.us	510 Main Street Clayton DE 19938	4th	50	Nancy Parker, Joanne Rufft, Speakers
				Total for 2008:			653	
				Grand Total to date			11,775	

2009 SCHOOL PROGRAMS/Community Events (Joanne Rufft)

DATE	DAY	TIME	School	Contact	Address	Grade	Number of Students	Resources
01/21/09	Wed	1:00 - 2:30	St. Mary Magdalen	Barbara Wanner 656-2745 wsmmwannerb@hotmail.com	9 Sharpley Road Wilmington DE 19803	4th	60	60 each of each handout item Nancy Parker, Ashley Bigelow, Joanne Rufft
03/09/09	Mon	1:00 - 2:30	Christ the Teacher	Judi Jadlocki 838-8850 x 203 jjadlocki@christtheteacher.org	2451 Frazer Road Newark DE 19702	4th	61	Joanne Rufft, Ashley Bigelow
03/10/09	Tues	9 - 9:55	Austin Baltz Elementary	Beth Shanus 992-5560 Beth.Shanus@redclay.k12.de.us	1500 Spruce Avenue Wilmington DE 19805	4th	24	Joanne Rufft
03/10/09	Tues	10:00 - 10:55	Austin Baltz Elementary	Beth Shanus 992-5560 Beth.Shanus@redclay.k12.de.us	1500 Spruce Avenue Wilmington DE 19805	4th	23	Joanne Rufft
03/10/09	Tues	11:00 - 11:50	Austin Baltz Elementary	Beth Shanus 992-5560 Beth.Shanus@redclay.k12.de.us	1500 Spruce Avenue Wilmington DE 19805	4th	23	Joanne Rufft
03/12/09	Thurs	1:00 - 2:15	Leeds Elementary School	Tina Bolte 410-996-5070 tbolte@ccps.org	615 Deaver Road Elkton MD	4th	30	Joanne Rufft, Ashley Bigelow
03/12/09	Thurs	2:15 - 3:30	Leeds Elementary School	Tina Bolte 410-996-5070 tbolte@ccps.org	615 Deaver Road Elkton MD	4th	30	Joanne Rufft, Ashley Bigelow
03/16/09	Mon	9:30 - 10:30	Albert Einstein Academy	Melissa Hinespeter 478-5026 x 104	101 Garden of Eden Road Wilmington DE 19803	4th	9	Enviroscape, Groundwater Model, Video, Handouts, etc. Nancy Parker and Joanne Rufft, Speakers

Updated 6/3/2009 3:57 PM

SCHOOL PROGRAMS (Joanne Rufft)

DATE	DAY	TIME	School	Contact	Address	Grade	Number of Students	Resources
03/26/09	Thurs	11:00 - 12:20	Our Lady of Fatima	Janine Verdecchio 856-9006-6385 jverdecchio@olfschool.com	801 N. Dupont Highway New Castle DE 19720	4th	36	Joanne Rufft
03/27/09	Fri	11:15 - 12:30	Forest Oak Elementary	Jennifer Greevy 454-3420 x101 jennifer.greevy@redclay.k12.de.us	55 South Meadowood Drive Newark DE 19711	4th	38	Joanne Rufft
03/27/09	Fri	1:45 - 3:15	Forest Oak Elementary	Jennifer Greevy 454-3420 x101 jennifer.greevy@redclay.k12.de.us	55 South Meadowood Drive Newark DE 19711	4th	43	Joanne Rufft, Nancy Parker, Ashley Bigelow
04/06/09	Mon	1:00 - 2:00	Eisenberg Elementary	Jennifer Anderson 429-4074 x 1039 janderson@colonial.k12.de.us	27 Landers Lane New Castle DE 19720 Off Route 9	4th	60	Joanne Rufft, Nancy Parker, Ashley Bigelow
04/06/09	Mon	2:00 - 3:00	Eisenberg Elementary	Jennifer Anderson 429-4074 x 1039 janderson@colonial.k12.de.us	27 Landers Lane New Castle DE 19720 Off Route 9	4th	60	Joanne Rufft, Nancy Parker, Ashley Bigelow
04/07/09	Tues	1:00	Charlestown Elementary	Patricia Wood 410-996-6240 patwood@ccps.org	550 Baltimore St Charlestown MD 21914	4th	28	Joanne Rufft
04/08/09	Wed	9:15 - 10:30	Gilpin Manor Elementary	Jennifer Hammer 410-996-5040 jhammer@ccps.org	203 Newark Avenue Elkton MD 21921	4th	30	Joanne Rufft
04/08/09	Wed	12:15 - 1:30	Gilpin Manor Elementary	Jennifer Hammer 410-996-5040 jhammer@ccps.org	203 Newark Avenue Elkton MD 21921	4th	30	Joanne Rufft
04/20/09	Mon	8:45 - 9:30	Castle Hills Elementary	Juanita Fletcher 323-2923 jflecther@colonial.k12.de.us	502 Moores Lane New Castle DE 19720	4th	33	Joanne Rufft
04/20/09	Mon	10:15 - 11:00	Castle Hills Elementary	Juanita Fletcher 323-2923 jflecther@colonial.k12.de.us	502 Moores Lane New Castle DE 19720	4th	33	Joanne Rufft
04/21/09	Tues	8:45 - 9:30	Castle Hills Elementary	Juanita Fletcher 323-2923 jflecther@colonial.k12.de.us	502 Moores Lane New Castle DE 19720	4th	33	Joanne Rufft, Nancy Parker
04/21/09	Tues	10:15 - 11:00	Castle Hills Elementary	Juanita Fletcher 323-2923 jflecther@colonial.k12.de.us	502 Moores Lane New Castle DE 19720	4th	33	Joanne Rufft, Nancy Parker
05/13/09	Wed	9:15 - 10:30	Cedar Lane	Kristy Craig 378-5045 Kristy.Craig@appo.k12.de.us	1259 Cedar Lane Road Middletown DE	4th	31	Joanne Rufft, Nancy Parker
05/13/09	Wed	10:45 - 12:00	Cedar Lane	Kristy Craig 378-5045 Kristy.Craig@appo.k12.de.us	1259 Cedar Lane Road Middletown DE	4th	28	Joanne Rufft, Nancy Parker
05/14/09	Thurs	9:15 - 10:30	Cedar Lane	Kristy Craig 378-5045 Kristy.Craig@appo.k12.de.us	1259 Cedar Lane Road Middletown DE	4th	27	Joanne Rufft, Nancy Parker
5/14/009	Thurs	10:45 - 12:00	Cedar Lane	Kristy Craig 378-5045 Kristy.Craig@appo.k12.de.us	1259 Cedar Lane Road Middletown DE	4th	28	Joanne Rufft, Nancy Parker
05/14/09	Thurs	1:15 - 2:30	Cedar Lane	Kristy Craig 378-5045 Kristy.Craig@appo.k12.de.us	1259 Cedar Lane Road Middletown DE	4th	29	Joanne Rufft, Nancy Parker

Updated 6/3/2009 3:57 PM

SCHOOL PROGRAMS (Joanne Rufft)

DATE	DAY	TIME	School	Contact	Address	Grade	Number of Students	Resources
05/20/09	Wed	1:00 - 2:30	Independence School	Lynn Fabian 239-0330 lynn.fabian@theindependenceschool.org	1300 Paper Mill Road Newark DE 19711	4th	80	Joanne Rufft and Ashley Bigelow

Total for 2009	940
Grand Total to date	12,715

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SEE BOOK
IN FILE

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ARTESIAN RESOURCES

100 YEARS OF SUPERIOR SERVICE

Artesian Water Company ▲ Artesian Wastewater Management ▲ Artesian Utility Development ▲ Artesian Water Maryland

FOR IMMEDIATE RELEASE

Protecting a Precious Resource: Cub Scouts Volunteer for Christina Cleanup, Learn About Water Conservation Through Artesian Water Program

Newark, DE, April 24, 2009 – When Cub Scout Pack 205 of Newark, Delaware, participated in the 18th annual Christina River Watershed Cleanup on April 18 at the Churchmans Marsh, Christiana site, the scouts not only earned Cub Scout patches, they also learned about water conservation, thanks to an educational program conducted by Artesian Water, an 18-year sponsor of the Cleanup. An abbreviated version of Artesian's Water Conservation Education Program was presented to the scouts by Nancy Parker, an Artesian retiree.

Since the Christina River Watershed Cleanup began in 1992, more than 300 tons of tires, appliances, household items, and uncountable pieces of plastic and Styrofoam have been cleared from the watershed. About 20 members of Pack 205, boys ages 6 to 13, on a quest to earn the Cub Scout Conservation Good Turn Award, joined more than 200 other volunteers at the Churchmans Marsh site. According to Joanne Rufft, Director of Community Relations & Environmental Initiatives for Artesian, the company enhanced the project at its site this year by adding two dumpsters, donated by Waste Management, Inc., so that recyclables could be separated from other types of debris.

Over the last 18 years, the Cleanup, which also covers White Clay Creek State Park, the City of Wilmington, Dayette Mills and various other locations throughout the watershed, has attracted more than 10,000 volunteers.

Artesian's Water Conservation Education Program, designed in cooperation with the Delaware Department of Natural Resources and Environmental Control, focuses on what children can do to protect and preserve the environment and water, the earth's most precious resource. Artesian Water will present its full Conservation Education Program, which includes a video produced by the American Water Works Association; an underground water model and EnviroScape® interactive models to demonstrate how water becomes polluted; discussions about water sources, the water cycle, water treatment, and safe drinking water; information about testing for the number one leak source in homes and more, to any area fourth-grade class on request. The program can be incorporated into the fourth-grade land and water teaching units . For more information, please call Joanne Rufft at 1-800-332-5114, extension 7144, or e-mail her at jrufft@artesianwater.com.

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About Artesian Resources

Artesian Resources Corporation operates as the holding company of eight wholly-owned subsidiaries offering water, wastewater and engineering services. Artesian Water Company, the principal subsidiary, is the oldest and largest investor-owned public water utility on the Delmarva Peninsula, and has been providing water service since 1905. Artesian Water distributes and sells water to residential, commercial, industrial, governmental, municipal and utility customers. Other subsidiaries include Artesian Water Maryland, Inc.; Artesian Wastewater Maryland, Inc.; Artesian Water Pennsylvania, Inc.; Artesian Wastewater Management, Inc.; Artesian Utility Development, Inc.; Artesian Consulting Engineers, Inc.; and Artesian Development Company.

CONTACT:

Dan Tipton
For Artesian Resources
302-454-7901
info@tiptoncommunications.com

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ARTESIAN RESOURCES

100 YEARS OF SUPERIOR SERVICE

Artesian Water Company, Inc. ▲ Artesian Wastewater Management, Inc. ▲ Artesian Utility Development, Inc.

(Date)

Dear Organization Name:

As part of Artesian's ongoing commitment to provide quality water and superior service, we are constantly looking for ways to improve communications with our customers and the communities we serve. Customers often would like to know more about their water and variety of related topics. Therefore we offer our Speakers Bureau free of charge to organizations. Our staff of experienced employees can speak about topics such as water supply and treatment, waste water treatment, water quality and testing, conservation, the value of tap water and many more related subjects. Our school education program for fourth graders has long been one of our most requested programs; as well we will work with other grades to develop a program that fits their needs.

Communication is a two-way street. I invite you to contact me if you have any questions or concerns about your water service or a related subject. If you would like to have myself and or members of our staff attend your next meeting, then please contact us to schedule. I can be contacted at 302-453-7144 or at jrufft@artesianwater.com; my hours are Monday through Friday, 8:00 a.m. to 4:30 p.m. I look forward to hearing from you.

Sincerely,

Joanne C. Rufft
Director of Community Relations & Environmental Initiatives

664 Churchmans Road, Newark, Delaware 19702, P.O. Box 15004 Wilmington, Delaware 19850 Phone: (302) 453-6900 Fax: (302) 453-6957
P.O. Box 177 Harbeson, Delaware 19951 Phone: (302) 684-2527 Fax: (302) 684-5164
28322 Lewes-Georgetown Hwy., Unit 4 Milton, DE 19968
e-mail: artesian@artesianwater.com Website: artesianwater.com

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ARTESIAN WATER COMPANY
COMMUNITY EVENTS/PRESENTATIONS 2006 THROUGH JUNE 2009

Event	Date	Explanation	Attendance Actual or Estimated
Envirothon Aquatics Workshop	01/28/06	Talk on water resources protection and conservation	75
Kids Health Day, Western YMCA	04/06/06	Fish Stamping for Kids, conservation tips	500
Drinking Water Week	05/01/06	Lobby Exhibit to promote water efficient gardening, conservation materials	300
Newark Charter School	06/06/06	MisTree	500
Rockwood Ice Cream Festival 2006	07/05/06	MisTree	13000
Peach Festival, Middletown 2006	08/01/06	MisTree	6000
Peach Festival, Middletown 2008	08/01/06	Water conservation display and handouts	6000
Winterthur Crafts Festival 2004	08/04/06	MisTree	12000
Winterthur Crafts Festival 2005	08/05/06	MisTree	12000
Winterthur Crafts Festival 2006	08/06/06	MisTree	12000
Water Festival 2006	10/01/06	Enviroscape, conservation handouts	700
DNS Harvest Moon Festival 2006	10/06/06	Enviroscape, conservation material	2500
Castle Hills Civic Assoc. Meeting	02/07/07	Water conservation & water quality presentation	20
Earth Day - Lums Pond	04/14/07	Water conservation handouts	400
Healthy Kids Day- Kirkwood YMCA	04/14/07	Water conservation display and handouts	300
Caravel Woods Civic Assoc. Meeting	03/06/07	Water conservation & water quality presentation	5
Drinking Water Week- in lobby & at NCCo Libraries	05/01/07	Water conservation display and handouts	300
DNS Harvest Moon Festival 2006	10/04/07	Enviroscape, conservation materials & display	2500
Appoquinimink River Association 5k	04/12/08	Conservation handouts	200
Healthy Kids Day- Kirkwood YMCA	04/12/08	Water conservation display and handouts	300
Drinking Water Week- in lobby & at NCCo Libraries	05/01/08	Lobby Exhibit to promote water efficient gardening, conservation materials	350
World Environmental Day @ HSBC (rt.273 & Churchmans Rd.)	06/05/08	Water conservation display and handouts	500
Fenwick Island Environmental Committee Mtg.	06/11/08	Water conservation & water quality presentation	20
Townsend Fair	06/21/08	Water conservation display and handouts	250
Blue Rocks "Super Splash" Event	07/15/08	Water conservation handouts to kids	2000
DogFish Dash 5k/10k Race (benefit for The Nature Conservancy)	09/21/08	MisTrees and conservation handouts	400
Harvest Moon Festival & Farm to Fork Event	10/04/08	Water conservation display and handouts	2500
NCCo Councilman George Smiley's Information Mtg.	10/08/08	Water Conservation presentation, display and handouts	35
University of Delaware - "Energy Fair"	12/03/08	Water conservation display and handouts	500
Hockessin AARP	02/18/09	Water Conservation presentation and handouts	25
Birchpointe Condo Association	03/16/09	Water Conservation presentation and handouts	35
Christina River Clean Up	04/18/09	Water conservation handouts & discussion	180
Drinking Water Week- in lobby & at NCCo Libraries	05/01/09	Lobby Exhibit to promote water efficient gardening, conservation materials	400
Del Tech Comm College - BioChem Club	05/06/09	Tour WTP and WWTP- conservation handouts	15
Absalom Jones Community Center	06/09/09	Water Conservation presentation and handouts	50
Delaware Special Olympics (Univ of DE)	06/12/09	Enviroscape, Groundwater model demonstrations & conservation materials	1000

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June 3, 2009

Customer Name
Street Address
City, State Zip Code

Re: Property ID # 000 00 000
Property Address

Dear Customer:

It is our pleasure to welcome you as an Artesian customer! We have been serving the people of Delaware for over 100 years. At Artesian we are committed to providing you with high-quality, safe water and superior customer service.

Enclosed you will find some basic information such as our bill payment options, phone numbers, office hours and locations. We have also enclosed helpful information on how to save water and money too!

As a regulated utility our rules and rates are in our tariff, which is approved by the Delaware Public Service Commission. For your convenience we have attached a copy of our water conservation-oriented rates, which are designed to save money for those who conserve and use less water. The full tariff is available for your review on our website at www.artesianwater.com. If you do not have access to the web and/or would like a copy of our tariff, contact us and will be happy to mail you a copy.

Our Customer Service Representatives are waiting to serve you and are available Monday through Friday between the hours of 8:00 a.m. and 5:00 p.m. at (302) 453-6930 or toll free (800) 332-5114.

Again, we welcome you as a valued customer and look forward to serving you.

Sincerely,

Customer Service Department

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June 3, 2009

Customer Name
Street Address
City, State Zip Code

Re: Property ID # 000 00 000
Property Address

Dear Customer:

Artesian would like to bring to your attention that the meter reading for the current billing cycle shows a considerable increase in water consumption at your property compared to your past usage. This increase may be due to a leak and if so requires your immediate attention. Other possible reasons for an increase in consumption are additional people living in the property, watering of lawns or gardens, filling a pool or using an irrigation system, to name a few examples.

Here are a few quick tips to check for leaks:

- **Test your toilet for leaks** by putting a few drops of food coloring in the toilet tank. Wait 20-30 minutes and do not use the toilet. If the water in the toilet bowl has turned color, you have a leak. Toilets are the number one leak in the home. Repair promptly.
- **Check faucets** for drips or leaks and repair them promptly.
- **Read your meter** before you go to bed and again when you get up. Be sure not to use any water during the night. If the reading shows water used then you probably have a leak and should check all of your plumbing and fixtures.

Should you need more information or assistance, please contact our office at (302) 453-6930 or toll free (800) 332-5114 to discuss possible causes for the increase in your consumption, as well as possible suggested remedies. Our office hours are 8:00 a.m. to 5:00 p.m., Monday through Friday.

We appreciate any information you can provide us regarding this matter. Thank you for your cooperation.

Sincerely,

Customer Service Department

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SEE BOOK
IN FILE

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MAPS

SEE ORIGINALS IN DOCKET

Exhibit III-2

ANNUAL WELLFIELD PRODUCTION

All values are annual average and expressed in MGD

WELLFIELD	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Northern New Castle County										
Airport Ind. Park	0.445	0.494	0.627	0.633	0.579	0.529	0.473	0.603	0.714	0.664
Artisans Village	2.220	2.044	2.39	2.428	2.548	2.600	2.600	2.371	2.592	2.561
Caravel Farms	0.193	0.221	0.214	0.200	0.176	0.120	0.001	0.000	0.000	0.000
Castle Hills	0.888	0.977	1.078	1.045	0.953	0.964	0.881	0.822	0.920	0.957
Chesapeake City					0.007	0.558	1.774	1.416	1.560	1.563
Collins Park	0.327	0.339	0.211	0.463	0.486	0.393	0.336	0.295	0.383	0.363
Eastern States	0.725	0.845	0.812	0.777	0.792	0.703	0.689	0.749	0.837	0.790
Fairwinds	1.243	1.292	1.234	1.253	1.257	1.336	1.209	1.240	1.460	1.248
Glendale	1.354	1.339	1.263	1.389	1.524	1.364	1.383	1.213	1.081	1.192
Hockessin	1.449	1.467	1.532	1.081	1.048	1.171	1.448	1.583	1.478	1.350
Jefferson Farms	0.773	0.762	0.785	0.722	0.638	0.664	0.744	0.744	0.767	0.744
Llangollen Estates	1.749	1.537	1.999	2.034	2.046	1.614	1.511	1.800	1.877	1.822
Middle Run	0.094	0.261	0.227	0.322	0.111	0.253	0.157	0.227	0.226	0.274
Midvale	0.266	0.299	0.182	0.157	0.074	0.142	0.091	0.066	0.197	0.043
Old County Road	2.092	1.8	2.161	1.988	1.762	1.941	1.719	1.718	1.346	1.465
Wilm. Airport	0.359	0.45	0.407	0.454	0.282	0.000	0.000	0.000	0.000	0.000
Wilm. Manor Gardens	0.464	0.417	0.319	0.350	0.367	0.341	0.372	0.444	0.436	0.436
Total	14.641	14.544	15.441	15.295	14.650	14.693	15.388	15.291	15.874	15.472

Exhibit III-3

ARTESIAN WATER COMPANY, INC.
NORTHERN NCC WELL FIELDS
ALLOCATION LIMITS

WELLFIELD	WELL #	MAX LEVEL (FEET)	MAX. GPM	MAX. PUMP GPD	MAX. PUMP 24HR	MAX. PUMP 30 DAYS	MAX PUMP. 1 YR.
Airport Industrial	1	100	250	360,000			
Park	2	97	250	360,000			
				Combined:	0.72 MG	21.6 MG	262.8 MG
Artisan's Village	1	130	1100	1,584,000			
	2	125	300	432,000			
	3	125	700	1,008,000			
	4	116	150	216,000			
				Combined:	3.024 MG	90.72 MG	1,088.64 MG
Caravel Farms	1	55	250	360,000	0.36 MG	10.8 MG	105.12 MG
Castle Hills	1	64' 3"***	100	144,000			
	2	94	250	360,000			
	3	97	600	864,000			
				Combined:	1.368 MG	42.408 MG	499.32 MG
Brennan Estates	1	320	900	1,296,000			
	2	360	750	1,080,000			
Chesapeake City	1**	97	50	50,000			
	2	95	225	324,000			
	3		550	792,000			
				Combined:	3.54 MG	106 MG	1275 MG

** ALLOCATION NOT APPLICABLE
*** NO MAXIMUM WATER LEVEL PER ALLOCATION PERMIT. INTERNAL LIMIT ONLY
**** ALLOCATION DID NOT SPECIFY A DAILY MAXIMUM

ARTESIAN WATER COMPANY, INC.
NORTHERN NCC WELL FIELDS
ALLOCATION LIMITS

WELLFIELD	WELL #	MAX LEVEL (FEET)	MAX. GPM	MAX. PUMP GPD	MAX. PUMP 24HR	MAX. PUMP 30 DAYS	MAX PUMP. 1 YR.
Collins Park	1	94	400	576,000	0.576 MG	17.28 MG	180.0 MG
Eastern States	1	135	600	864,000			
	2	110	300	432,000			
				Combined:	1.29 MG	38.5 MG	365.0 MG
Fairwinds	2	120	370	532,800			
	4R	105	350	504,000			
	5	105	400	576,800			
	6	110	225	324,000			
	ASR	320	125	180,000			
				Combined:	2.0 MG	60.0 MG	720.0 MG
Glendale	2R	72**	350	504,000			
	4R	63**	100	144,000			
				Combined:	0.5 MG	15.0 MG	180.0 MG
	5	100	275	400,000			
	6	92	225	325,000			
	7	116	400	576,000			
				Combined:	1.301 MG	39.03 MG	474.865 MG
				Combined Wellfield Total:	1.801 MG	54.03 MG	654.0 MG

** ALLOCATION NOT APPLICABLE
*** NO MAXIMUM WATER LEVEL PER ALLOCATION PERMIT. INTERNAL LIMIT ONLY
**** ALLOCATION DID NOT SPECIFY A DAILY MAXIMUM

ARTESIAN WATER COMPANY, INC.
NORTHERN NCC WELL FIELDS
ALLOCATION LIMITS

WELLFIELD	WELL #	MAX LEVEL (FEET)	MAX. GPM	MAX. PUMP GPD	MAX. PUMP 24HR	MAX. PUMP 30 DAYS	MAX PUMP. 1 YR.
Hockessin	G-1	125	400	****			
	G-3	115	300	****			
	1	120	425	****			
	2	200	425	****			
	3	120	425	****			
	4	100	700	****			
			Combined:	3.0 MG	3.0 MG	100.0 MG	693.50 MG
Jefferson Farms	1	94	700	1,008,000			
	2	92	200	288,000			
				Combined:	1.296 MG	38.88 MG	466.56 MG
Llangollen	G-3	98	620	892,000			
	K-1	95	600	864,000			
	2	120	320	460,800			
	6	110	600	864,000			
	7	97	600	864,000			
	ASR	92	1000	1,440,000			
				Combined:	2.218 MG	66.5 MG	720.0 MG
Middle Run	1	152	300	432,000			
	2	116	450	648,000			
				Combined:	1.08 MG	32.4 MG	394.2 MG

** ALLOCATION NOT APPLICABLE
*** NO MAXIMUM WATER LEVEL PER ALLOCATION PERMIT. INTERNAL LIMIT ONLY
**** ALLOCATION DID NOT SPECIFY A DAILY MAXIMUM

ARTESIAN WATER COMPANY, INC.
NORTHERN NCC WELL FIELDS
ALLOCATION LIMITS

WELLFIELD	WELL #	MAX LEVEL (FEET)	MAX. GPM	MAX. PUMP GPD	MAX. PUMP 24HR	MAX. PUMP 30 DAYS	MAX PUMP. 1 YR.
Midvale	1	75 ***	200	288,000			
	2	67 ***	200	288,000			
				Combined:	0.576 MG	17.28 MG	207.36 MG
Old County Road	PW1	320	1000	1,440,000			
	PW2	413	1200	1,728,000			
				Combined:	3.16 MG	95.04 MG	720.0 MG
Wilmington	1	185	200	288,000			
Airport	2	208	200	288,000			
	3R	134	200	288,000			
				Combined:	0.864 MG	25.92 MG	311.04 MG
Wilmington Manor	1	35 ***	200	288,000			
Gardens	3	54'9" ***	350	492,000			
				Combined:	0.78 MG	23.40 MG	284.70 MG

** ALLOCATION NOT APPLICABLE
*** NO MAXIMUM WATER LEVEL PER ALLOCATION PERMIT. INTERNAL LIMIT ONLY
**** ALLOCATION DID NOT SPECIFY A DAILY MAXIMUM

Wellfield Constraints **Exhibit III- 4**

Airport Industrial Park
Wellfield capacity is constrained by allocation permit water level drawdown limits.

Artisans Village
Wellfield limited by allocation permit pumping limits and water level drawdown limits.

Caravel Farms
Wellfield capacity is constrained by allocation permit water level drawdown limits. Given its relatively low capacity, this well is designated for Emergency Use.

Castle Hills
Wells #2 and #3 are used for normal operation at a rate reflecting actual production over the past several years. Well #1 is marginal and is designated for Emergency Use. The wellfield is generally constrained by allocation permit water level drawdown limits.

Chesapeake City Road
Wellfield production reflects addition of new supply wells. Wellfield is limited by allocation permit pumping limits. Well #1 is marginal and designated for Emergency Use.

Collins Park
Wellfield capacity is constrained by allocation permit water level drawdown limits.

Eastern States
Wellfield capacity is limited by allocation permit drawdown limits.

Fairwinds
Wellfield capacity is constrained by allocation permit water level drawdown limits.

Glendale
Wellfield capacity is constrained by allocation permit water level drawdown limits. Well #4R may add a small increment of supply to meet peak demand.

Hockessin
Wellfield capacity is limited by allocation permit drawdown limits and actual demand in this part of Artesian's system. Well G-3 is constrained by water quality and is currently designated for Emergency Use.

Jefferson Farms
Wellfield capacity is constrained by allocation permit water level drawdown limits. Well #2 is marginal and designated for Emergency Use.

Llangollen
Wellfield limited by allocation permit pumping limits.

Middle Run
Wellfield capacity is constrained by allocation permit water level drawdown limits.

Midvale
Wellfield capacity is constrained by allocation permit water level drawdown limits.

Old Country Road
Wellfield capacity limited by allocation permit pumping and drawdown limits.

Wilmington Airport
Wellfield limited by the capacity and manpower requirements of the iron removal plant.

Wilmington Manor Gardens
Wellfield capacity is constrained by allocation permit water level drawdown limits. Additionally, Well #1 is limited by water quality.

Summary of Well Field Capacity

Exhibit 5
Schedule 1

		30-Day Avg (MGD)	30-Day Wellfield Avg (MGD)
Airport Industrial Park			0.714
	1	0.357	
	2	0.357	
Artisans Village			3.235
	1	1.953	
	2	0.221	
	3	0.994	
	4	0.067	
Caravel Farms			Emergency Use
Castle Hills			1.114
	1	0.000	Emergency Use
	2	0.236	
	3	0.878	
Chesapeake City Rd			2.759
	1	0.000	Emergency Use
	2	0.264	
	3	0.426	
	Brennan 1	1.120	
	Brennan 2	0.949	
Collins Park		0.456	0.456
Eastern States			1.091
	1	0.692	
	2	0.399	
Fairwinds			1.634
	2	0.299	
	4	0.498	
	5	0.530	
	6	0.307	

Glendale			1.671
	2	0.502	
	4	0.000	
	5	0.276	
	6	0.321	
	7	0.572	
Hockessin			2.084
	1	0.294	
	2	0.298	
	3	0.437	
	4	0.488	
	G1	0.567	
	G3	0.000	Emergency Use
Jefferson Farms			0.810
	1	0.810	
	2		Emergency Use
Llangollen			2.200 Note 1
	2	0.444	
	6	0.000	
	7	0.765	
	G3	0.470	
	K1	0.651	
Llangollen ASR		0.967	0.967
Middle Run			0.991
	1	0.360	
	2	0.631	
Midvale			0.233
	1	0.128	
	2	0.105	
Old County Rd			2.603
	1	1.067	
	2	1.536	
Wilmington Airport			0.748 Note 2

	1	0.255	
	2	0.229	
	3	0.264	
Wilmington Manor			0.428
	1	0.270	
	3	0.158	
Total			23.737

Note 1: Although the sum of the well pumpage is 2.33 MGD, capacity is held to the wellfield allocation of 2.2 MGD.

Note 2: Only 22 days pumpage data were available at the time of this filing. Reported pumpage reflects an extrapolation of pumping to 30 days. Supply exhibits will be updated as part of a supplemental filing.

Exhibit 5
Schedule 2

Airport Ind. Park P1

Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
2/7/2007	16:00	250	250	84.10	100.00	113420	
2/8/2007	12:55	250	250	84.60	100.00		113740
2/9/2007	18:15	250	250	85.10	100.00		114186
2/10/2007	17:00	250	250	85.20	100.00		114533
2/11/2007	17:30	250	250	85.80	100.00		114905
2/12/2007	14:45	250	250	84.90	100.00		115231
2/13/2007	11:20	250	250	85.10	100.00		115543
2/14/2007	11:15	250	250	83.20	100.00		115859
2/15/2007	15:30	250	250	84.10	100.00		116287
2/16/2007	11:30	250	250	84.70	100.00		116580
2/17/2007	9:48	250	250	85.00	100.00		116920
2/18/2007	9:37	250	250	84.50	100.00		117280
2/19/2007	17:00	250	250	84.80	100.00		117754
2/20/2007	13:05	250	250	84.40	100.00		118055
2/21/2007	9:45	250	250	85.10	100.00		118366
2/22/2007	14:55	250	250	85.50	100.00		118805
2/23/2007	10:10	250	250	85.10	100.00		119095
2/24/2007	18:05	250	250	85.10	100.00		119573
2/25/2007	20:45	250	250	85.30	100.00		119975
2/26/2007	16:10	250	250	84.70	100.00		120266
2/27/2007	10:25	250	250	84.90	100.00		120541
2/28/2007	14:05	250	250	85.45	100.00		120959
3/1/2007	13:41	250	250	84.70	100.00		121341
3/2/2007	11:50	250	250	84.40	100.00		121643
3/3/2007	9:15	250	250	84.70	100.00		121970
3/4/2007	9:09	250	250	85.20	100.00		122324
3/5/2007	9:45	250	250	84.90	100.00		122696
3/6/2007	15:30	250	250	85.00	100.00		123139
3/7/2007	11:00	250	250	85.20	100.00		123392
3/8/2007	10:00	250	250	85.10	100.00		123783
3/9/2007	9:30	250	250	85.10	100.00		124136

Total

10,716,000 gallons
0.357 MGD

Exhibit 5
Schedule 3

Airport Ind. Park P2

Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
2/7/2007	16:00	250	250	90.45	97.00	340560	
2/8/2007	12:45	250	250	91.00	97.00		340886
2/9/2007	18:00	250	250	91.60	97.00		341334
2/10/2007	17:05	250	250	91.80	97.00		341687
2/11/2007	17:35	250	250	92.20	97.00		342062
2/12/2007	15:00	250	250	89.90	97.00		342387
2/13/2007	11:10	250	250	91.10	97.00		342687
2/14/2007	11:45	250	250	89.10	97.00		343011
2/15/2007	15:25	250	250	90.10	97.00		343417
2/16/2007	11:20	250	250	90.00	97.00		343703
2/17/2007	9:37	250	250	90.40	97.00		344027
2/18/2007	9:31	250	250	89.90	97.00		344373
2/19/2007	17:05	250	250	90.00	97.00		344829
2/20/2007	13:20	250	250	90.95	97.00		345118
2/21/2007	9:35	250	250	91.80	97.00		345431
2/22/2007	14:45	250	250	91.15	97.00		345883
2/23/2007	10:20	250	250	91.70	97.00		346183
2/24/2007	17:55	250	250	91.70	97.00		346662
2/25/2007	20:47	250	250	91.50	97.00		347070
2/26/2007	16:20	250	250	91.10	97.00		347366
2/27/2007	10:20	250	250	91.15	97.00		347638
2/28/2007	14:00	250	250	91.70	97.00		348057
3/1/2007	15:30	250	250	91.10	97.00		348442
3/2/2007	11:40	250	250	90.80	97.00		348746
3/3/2007	9:00	250	250	90.50	97.00		349046
3/4/2007	9:03	250	250	91.80	97.00		349431
3/5/2007	9:30	250	250	91.45	97.00		349805
3/6/2007	15:00	250	250	91.45	97.00		350253
3/7/2007	11:00	250	250	91.50	97.00		350650
3/8/2007	10:00	250	250	91.60	97.00		350901
3/9/2007	9:45	250	250	91.60	97.00		351256

10,696,000 gallons
0.357 MGD

Exhibit 5
Schedule 4

Artisans Village P1						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
10/3/2008	1110	1110	122.90	130.00	001394	001394
10/4/2008	1098	1110	124.90	130.00		013626
10/5/2008	1099	1110	127.70	130.00		015942
10/6/2008	1110	1110	126.00	130.00		016543
10/7/2008	1110	1110	125.50	130.00		017550
10/8/2008	1110	1110	125.00	130.00		019640
10/9/2008	1110	1110	125.40	130.00		021232
10/10/2008	1110	1110	126.00	130.00		023450
10/11/2008	1109	1110	126.30	130.00		024980
10/12/2008	1110	1110	127.00	130.00		026422
10/13/2008	1110	1110	126.90	130.00		027633
10/14/2008	1110	1110	127.20	130.00		027110
10/15/2008	1110	1110	127.21	130.00		030636
10/16/2008	1110	1110	126.50	130.00		032303
10/17/2008	1110	1110	127.00	130.00		033675
10/18/2008	1110	1110	126.70	130.00		036255
10/19/2008	1110	1110	126.60	130.00		037519
10/20/2008	1109	1110	126.60	130.00		039624
10/21/2008	1109	1110	126.65	130.00		040092
10/22/2008	1110	1110	126.80	130.00		042151
10/23/2008	1110	1110	126.25	130.00		043200
10/24/2008	1110	1110	126.20	130.00		044792
10/25/2008	1110	1110	126.30	130.00		046303
10/26/2008	1110	1110	126.00	130.00		048363
10/27/2008	1110	1110	126.40	130.00		049763
10/28/2008	1110	1110	125.85	130.00		051379
10/29/2008	1110	1110	126.10	130.00		052010
10/30/2008	1110	1110	126.60	130.00		054331
10/31/2008	1110	1110	126.40	130.00		056609
11/1/2008	1110	1110	126.40	130.00		058211
11/2/2008	1110	1110	126.50	130.00		059994

Total

58,600,000 gallons
1.953 MGD

Exhibit 5
Schedule 5

Artisans P2						
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
10/3/2008	157	300	93.90	125.00	002029	
10/4/2008	154	300	95.00	125.00		002344
10/5/2008	153	300	95.20	125.00		002660
10/6/2008	153	300	95.10	125.00		002840
10/7/2008	152	300	95.20	125.00		003026
10/8/2008	152	300	95.40	125.00		003180
10/9/2008	151	300	95.10	125.00		003408
10/10/2008	151	300	95.10	125.00		003727
10/11/2008	150	300	95.20	125.00		003999
10/12/2008	151	300	95.00	125.00		004117
10/13/2008	150	300	95.30	125.00		004411
10/14/2008	151	300	95.60	125.00		004555
10/15/2008	151	300	95.20	125.00		004671
10/16/2008	150	300	94.30	125.00		004693
10/17/2008	**164**	300	94.95	125.00		005093
10/18/2008	150	300	94.80	125.00		005443
10/19/2008	150	300	95.10	125.00		005614
10/20/2008	150	300	95.95	125.00		005820
10/21/2008	**164**	300	96.00	125.00		005970
10/22/2008	151	300	95.60	125.00		006233
10/23/2008	152	300	95.30	125.00		006450
10/24/2008	152	300	94.40	125.00		006617
10/25/2008	152	300	94.50	125.00		006900
10/26/2008	150	300	94.60	125.00		007145
10/27/2008	150	300	94.40	125.00		007292
10/28/2008	150	300	94.20	125.00		007510
10/29/2008	149	300	94.40	125.00		007752
10/30/2008	148	300	94.60	125.00		007909
10/31/2008	148	300	94.60	125.00		008216
11/1/2008	148	300	94.40	125.00		008429
11/2/2008	148	300	94.40	125.00		008670

Total 6,641,000 gallons
0.221 MGD

Exhibit 5
Schedule 6

Artisans Village P3

Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
10/3/2008	700	700	119.60	125.00	002419	
10/4/2008	681	700	123.80	125.00		003829
10/5/2008	681	700	124.10	125.00		004220
10/6/2008	683	700	124.40	125.00		05760
10/7/2008	684	700	124.30	125.00		006303
10/8/2008	684	700	124.50	125.00		007594
10/9/2008	682	700	124.20	125.00		008611
10/10/2008	685	700	124.55	125.00		009554
10/11/2008	682	700	124.50	125.00		001245
10/12/2008	632	700	121.05	125.00		011730
10/13/2008	635	700	121.00	125.00		012420
10/14/2008	633	700	122.20	125.00		013520
10/15/2008	631	700	121.10	125.00		014094
10/16/2008	700	700	124.00	125.00		015039
10/17/2008	680	700	125.85	125.00		015860
10/18/2008	680	700	124.70	125.00		017465
10/19/2008	680	700	124.50	125.00		018240
10/20/2008	682	700	124.55	125.00		019076
10/21/2008	688	700	124.85	125.00		019817
10/22/2008	692	700	124.80	125.00		021052
10/23/2008	692	700	124.60	125.00		022020
10/24/2008	692/684	700	124.60	125.00		022854
10/25/2008	682	700	124.50	125.00		023602
10/26/2008	682	700	124.40	125.00		025255
10/27/2008	681	700	124.55	125.00		025896
10/28/2008	686	700	124.10	125.00		026893
10/29/2008	684	700	124.30	125.00		027626
10/30/2008	682	700	124.70	125.00		028714
10/31/2008	682	700	124.50	125.00		030116
11/1/2008	682	700	124.50	125.00		031100
11/2/2008	684	700	124.50	125.00		032231

Total

29,812,000 gallons
0.994 MGD

Exhibit 5
Schedule 7

Artisans Village P4

Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
10/3/2008	53	150	77.00	116.00	000518	
10/4/2008	51	150	79.70	116.00		000625
10/5/2008	51	150	79.90	116.00		000710
10/6/2008	51	150	80.30	116.00		000795
10/7/2008	51	150	80.20	116.00		000880
10/8/2008	51	150	80.40	116.00		000906
10/9/2008	51	150	80.10	116.00		000982
10/10/2008	51	150	80.10	116.00		001054
10/11/2008	51	150	80.25	116.00		001160
10/12/2008	51	150	80.35	116.00		001221
10/13/2008	51	150	80.30	116.00		001286
10/14/2008	51	150	80.30	116.00		001370
10/15/2008	51	150	80.20	116.00		001416
10/16/2008	51	150	80.80	116.00		001490
10/17/2008	51	150	80.80	116.00		001553
10/18/2008	51	150	80.80	116.00		001669
10/19/2008	49	150	80.90	116.00		001727
10/20/2008	49	150	80.60	116.00		001787
10/21/2008	59	150	80.75	116.00		001844
10/22/2008	59	150	80.50	116.00		001695
10/23/2008	57	150	77.00	116.00		001700
10/24/2008	55	150	77.00	116.00		001844
10/25/2008	45	150	79.10	116.00		001890
10/26/2008	45	150	79.00	116.00		002023
10/27/2008	46	150	76.60	116.00		002067
10/28/2008	47	150	80.00	116.00		002135
10/29/2008	50	150	80.30	116.00		002205
10/30/2008	50/51	150	81.10	116.00		002266
10/31/2008	52	150	81.10	116.00		002339
11/1/2008	52	150	81.20	116.00		002449
11/2/2008	53	150	81.80	116.00		002537

Total 2,019,000 gallons
0.067 MGD

Exhibit 5
Schedule 8

Brennan P1R						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
11/17/2008	800	900	207.7	252.00	218884	
11/18/2008	805	900	208.5	252.00		219757
11/19/2008	798	900	208.8	252.00		220901
11/20/2008	798	900	209.0	252.00		222027
11/21/2008	795	900	208.9	252.00		223162
11/22/2008	795	900	209.8	252.00		224550
11/23/2008	795	900	210.1	252.00		225662
11/24/2008	790	900	209.5	252.00		226601
11/25/2008	792	900	209.4	252.00		227710
11/26/2008	795	900	210.1	252.00		228821
11/27/2008	795	900	210.4	252.00		229985
11/28/2008	790	900	210.4	252.00		231165
11/29/2008	789	900	210.4	252.00		232360
11/30/2008	789	900	210.3	252.00		233452
12/1/2008	790	900	210.7	252.00		234511
12/2/2008	790	900	210.7	252.00		235659
12/3/2008	789	900	210.5	252.00		269779
12/4/2008	790	900	211.0	252.00		237888
12/5/2008	789	900	211.3	252.00		239012
12/6/2008	784	900	211.0	252.00		240484
12/7/2008	786	900	210.9	252.00		241609
12/8/2008	785	900	211.0	252.00		242384
12/9/2008	780	900	210.8	252.00		243504
12/10/2008	782	900	210.9	252.00		244629
12/11/2008	784	900	211.0	252.00		245782
12/12/2008	780	900	210.4	252.00		246982
12/13/2008	782	900	210.90	252.00		248161
12/14/2008	775	900	210.90	252.00		249257
12/15/2008	784	900	211.0	252.00		250237
12/16/2008	783	900	210.8	252.00		251395
12/17/2008	780	900	211.4	252.00		252488

Total 33,604,000 gallons
1.120 MGD

Exhibit 5
Schedule 9

Brennan P2R

Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
11/17/2008		670	700	271.5	300.00	020562	
11/18/2008		675	700	273.3	300.00		021327
11/19/2008		673	700	274.8	300.00		0222262
11/20/2008		670	700	274.3	300.00		023219
11/21/2008		675	700	276.5	300.00		241178
11/22/2008		669	700	275.3	300.00		025349
11/23/2008		671	700	275.5	300.00		026286
11/24/2008		665	700	273.9	300.00		027077
11/25/2008		668	700	273.6	300.00		028012
11/26/2008		668	700	274.5	300.00		028953
11/27/2008		675	700	276.4	300.00		029942
11/28/2008		674	700	276.8	300.00		030955
11/29/2008		670	700	276.1	300.00		031975
11/30/2008		670	700	275.1	300.00		032904
12/1/2008		668	700	274.3	300.00		033800
12/2/2008		670	700	274.5	300.00		034772
12/3/2008		667	700	274.7	300.00		035717
12/4/2008		663	700	273.3	300.00		036638
12/5/2008		335	700	272.0	300.00		037572
12/6/2008		648	700	270.7	300.00		038795
12/7/2008		643	700	271.3	300.00		039731
12/8/2008		650	700	269.2	300.00		040375
12/9/2008		663	700	270.0	300.00		041306
12/10/2008		650	700	269.9	300.00		042236
12/11/2008		675	700	273.4	300.00		043223
12/12/2008		673	700	274.0	300.00		044256
12/13/2008		660	700	273.10	300.00		045265
12/14/2008		675	700	275.10	300.00		046228
12/15/2008		675	700	275.4	300.00		047082
12/16/2008		675	700	275.0	300.00		048091
12/17/2008		675	700	275.2	300.00		049041

Total 28,479,000 gallons
0.949 MGD

Exhibit 5
Schedule 10

Carvel Farms P1							
Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End

Exhibit 5
Schedule 11

Castle Hills P1							
Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End

Exhibit 5
Schedule 12

Castle Hills P2							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
3/5/2008		170	250	69.40	94.00	875455	
3/6/2008		170	250	69.90	94.00		875727
3/7/2008		170	250	69.75	94.00		875990
3/8/2008		170	250	69.60	94.00		876111
3/9/2008		170	250	69.60	94.00		876340
3/10/2008		170	250	69.70	94.00		876620
3/11/2008		170	250	70.00	94.00		876830
3/12/2008		170	250	70.00	94.00		876999
3/13/2008		170	250	70.10	94.00		877230
3/14/2008		170	250	70.10	94.00		877578
3/15/2008		170	250	70.50	94.00		877588
3/16/2008		170	250	70.80	94.00		878011
3/17/2008		165	250	70.80	94.00		878275
3/18/2008		165	250	70.35	94.00		878555
3/19/2008		165	250	70.00	94.00		878747
3/20/2008		165	250	70.20	94.00		879028
3/21/2008		165	250	70.40	94.00		879290
3/22/2008		165	250	70.20	94.00		879527
3/23/2008		165	250	70.20	94.00		879741
3/24/2008		165	250	70.40	94.00		879998
3/25/2008		160	250	70.10	94.00		880097
3/26/2008		165	250	70.00	94.00		880366
3/27/2008		165	250	70.00	94.00		880676
3/28/2008		165	250	70.00	94.00		880988
3/29/2008		165	250	70.10	94.00		881236
3/30/2008		165	250	69.80	94.00		881404
3/31/2008		165	250	70.00	94.00		881505
4/1/2008		165	250	70.10	94.00		881702
4/2/2008		165	250	70.20	94.00		881918
4/3/2008		160	250	70.10	94.00		882256
4/4/2008		160	250	70.00	94.00		882540

Total 7,085,000 gallons
0.236 MGD

Exhibit 5
Schedule 13

Castle Hills P3							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
3/5/2008		600	600	74.20	97.00	952871	
3/6/2008		600	600	74.80	97.00		953643
3/7/2008		600	600	74.80	97.00		954330
3/8/2008		600	600	74.75	97.00		955420
3/9/2008		600	600	74.70	97.00		956303
3/10/2008		600	600	74.60	97.00		956958
3/11/2008		600	600	74.75	97.00		957469
3/12/2008		600	600	74.75	97.00		958363
3/13/2008		600	600	74.70	97.00		959069
3/14/2008		600	600	74.70	97.00		960614
3/15/2008		600	600	74.90	97.00		961220
3/16/2008		600	600	75.20	97.00		962115
3/17/2008		600	600	75.20	97.00		963255
3/18/2008		600	600	75.10	97.00		964137
3/19/2008		600	600	75.00	97.00		964880
3/20/2008		600	600	75.20	97.00		965996
3/21/2008		600	600	74.90	97.00		967122
3/22/2008		600	600	75.00	97.00		967986
3/23/2008		600	600	75.10	97.00		968800
3/24/2008		600	600	75.20	97.00		969750
3/25/2008		600	600	75.30	97.00		970207
3/26/2008		600	600	75.20	97.00		971290
3/27/2008		600	600	75.20	97.00		971888
3/28/2008		600	600	75.30	97.00		972303
3/29/2008		600	600	75.40	97.00		773101
3/30/2008		600	600	75.30	97.00		973760
3/31/2008		600	600	75.10	97.00		975240
4/1/2008		600	600	75.10	97.00		996900
4/2/2008		600	600	75.00	97.00		977415
4/3/2008		600	600	74.70	97.00		978355
4/4/2008		600	600	74.90	97.00		979206

Totals

26,335,000 gallons
0.878 MGD

Exhibit 5
Schedule 14

Chesapeake City P1

Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
11/17/2008				44.25	90.00		
11/18/2008				44.25	90.00		
11/19/2008				44.3	90.00		
11/20/2008				45.1	90.00		
11/21/2008				45.5	90.00		
11/22/2008				46.0	90.00		
11/23/2008				46.2	90.00		
11/24/2008				45.9	90.00		
11/25/2008				45.9	90.00		
11/26/2008				46.0	90.00		
11/27/2008				46.1	90.00		
11/28/2008				46.4	90.00		
11/29/2008				46.5	90.00		
11/30/2008				46.2	90.00		
12/1/2008				45.9	90.00		
12/2/2008				46.1	90.00		
12/3/2008				46.8	90.00		
12/4/2008				46.5	90.00		
12/5/2008				46.2	90.00		
12/6/2008				47.3	90.00		
12/7/2008				47.2	90.00		
12/8/2008				46.4	90.00		
12/9/2008				46.4	90.00		
12/10/2008				46.2	90.00		
12/11/2008				46.4	90.00		
12/12/2008				46.6	90.00		
12/13/2008				47.10	90.00		
12/14/2008				46.90	90.00		
12/15/2008				47.5	90.00		
12/16/2008				45.9	90.00		
12/17/2008				46.2	90.00		

Total 0 gallons
0.000 MGD

Exhibit
~~Schedule 5~~
Schedule 15

Chesapeake City P2						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
11/17/2008	221	225	72.80	94.00	007713	
11/18/2008	195	225	80.10	94.00		007978
11/19/2008	195	225	82.10	94.00		008184
11/20/2008	193	225	82.40	94.00		008448
11/21/2008	195	225	83.20	94.00		008710
11/22/2008	197	225	83.50	94.00		009037
11/23/2008	195	225	83.60	94.00		009300
11/24/2008	197	225	83.40	94.00		009508
11/25/2008	196	225	83.70	94.00		009781
11/26/2008	197	225	83.40	94.00		010046
11/27/2008	197	225	83.80	94.00		010322
11/28/2008	196	225	83.70	94.00		010602
11/29/2008	196	225	83.80	94.00		010887
11/30/2008	195	225	83.40	94.00		011142
12/1/2008	190	225	83.10	94.00		011388
12/2/2008	196	225	83.40	94.00		011656
12/3/2008	197	225	84.30	94.00		011920
12/4/2008	195	225	84.10	94.00		012181
12/5/2008	195	225	84.00	94.00		012445
12/6/2008	191	225	85.50	94.00		012796
12/7/2008	192	225	84.20	94.00		013060
12/8/2008	193	225	84.60	94.00		013236
12/9/2008	194	225	84.50	94.00		013500
12/10/2008	195	225	84.00	94.00		013762
12/11/2008	193	225	84.30	94.00		014037
12/12/2008	194	225	84.80	94.00		014307
12/13/2008	192	225	85.30	94.00		014612
12/14/2008	194	225	84.95	94.00		014843
12/15/2008	0	225	60.50	94.00		015088
12/16/2008	195	225	83.30	94.00		015362
12/17/2008	194	225	84.10	94.00		015630

Total 7,917,000 gallons
0.264 MGD

Exhibit 5
Schedule 16

Chesapeake City P3							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
11/17/2008		520	550	193.2	210.00	164755	
11/18/2008		512	550	187.4	210.00		165196
11/19/2008		480	550	197.4	210.00		165606
11/20/2008		478	550	197.3	210.00		166050
11/21/2008		476	550	196.8	210.00		166477
11/22/2008		545	550	187.7	210.00		166948
11/23/2008		0	550	142.40	210.00		167380
11/24/2008		470	550	195.9	210.00		167757
11/25/2008		473	550	195.3	210.00		168174
11/26/2008		475	550	194.5	210.00		168556
11/27/2008		472	550	194.9	210.00		168996
11/28/2008		470	550	195.1	210.00		169445
11/29/2008		468	550	195.2	210.00		169905
11/30/2008		467	550	194.4	210.00		170301
12/1/2008		470	550	193.1	210.00		170679
12/2/2008		468	550	192.8	210.00		171108
12/3/2008		467	550	194.5	210.00		171583
12/4/2008		460	550	193.9	210.00		172068
12/5/2008		465	550	192.6	210.00		172481
12/6/2008		0	550	142.1	210.00		173036
12/7/2008		0	550	143.2	210.00		173460
12/8/2008		470	550	190.9	210.00		173735
12/9/2008		471	550	190.2	210.00		174149
12/10/2008		470	550	189.1	210.00		174564
12/11/2008		470	550	189.8	210.00		175006
12/12/2008		467	550	190.6	210.00		175444
12/13/2008		464	550	192.20	210.00		175967
12/14/2008		461	550	190.90	210.00		176304
12/15/2008		0	550	188.1	210.00		176675
12/16/2008		471	550	186.0	210.00		177119
12/17/2008		470	550	189.4	210.00		177541

Total

12,786,000 gallons
0.426 MGD

Exhibit 5
Schedule 17

Collins Park P1

Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
6/24/2008	400	400	74.80	94.00	005806	
6/25/2008	400	400	75.60	94.00		005940
6/26/2008	400	400	75.80	94.00		006289
6/27/2008	383	400	73.80	94.00		006475
6/28/2008	380	400	75.40	94.00		007327
6/29/2008	380	400	74.90	94.00		007768
6/30/2008	384	400	73.25	94.00		008125
7/1/2008	355	400	72.68	94.00		008555
7/2/2008	400	400	71.95	94.00		009062
7/3/2008	350	400	69.60	94.00		009374
7/4/2008	350	400	70.60	94.00		010063
7/5/2008	350	400	70.30	94.00		010255
7/6/2008	350	400	69.60	94.00		010667
7/7/2008	355	400	68.70	94.00		011118
7/8/2008	365	400	70.70	94.00		011632
7/9/2008	361	400	74.10	94.00		012100
7/10/2008	360	400	74.50	94.00		012615
7/11/2008	359	400	74.66	94.00		013159
7/12/2008	361	400	74.76	94.00		013703
7/13/2008	360	400	75.04	94.00		014247
7/14/2008	361	400	75.12	94.00		014791
7/15/2008	359	400	75.10	94.00		151187
7/16/2008	359	400	75.25	94.00		015686
7/17/2008	359	400	75.30	94.00		016299
7/18/2008	359	400	75.55	94.00		016712
7/19/2008	359	400	75.65	94.00		017215
7/20/2008	359	400	75.60	94.00		017650
7/21/2008	359	400	75.45	94.00		018300
7/22/2008	356	400	75.30	94.00		018734
7/23/2008	356	400	75.40	94.00		019000
7/24/2008	359	400	75.40	94.00		019490

Totals

13,684,000 gallons
0.456 MGD

Exhibit 5
Schedule 18

Eastern States P1							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
12/11/2007		565	600	130.30	135.00	000067	
12/12/2007		500	600	134.40	135.00		000652
12/13/2007		520	600	134.80	135.00		001348
12/14/2007		520	600	134.90	135.00		002146
12/15/2007		500	600	134.50	135.00		002823
12/16/2007		500	600	134.10	135.00		003694
12/17/2007		495	600	134.40	135.00		004144
12/18/2007		500	600	134.60	135.00		004922
12/19/2007		505	600	134.65	135.00		005701
12/20/2007		505	600	134.90	135.00		006193
12/21/2007		505	600	134.90	135.00		006887
12/22/2007		510	600	134.60	135.00		007742
12/23/2007		520	600	134.40	135.00		008436
12/24/2007		520	600	134.30	135.00		009172
12/25/2007		505	600	134.90	135.00		009803
12/26/2007		510	600	134.20	135.00		011520
12/27/2007		500	600	134.60	135.00		011456
12/28/2007		500	600	134.90	135.00		012026
12/29/2007		500	600	135.00	135.00		012540
12/30/2007		490	600	133.80	135.00		013199
12/31/2007		495	600	133.90	135.00		014004
1/1/2007		495	600	133.90	135.00		014704
1/2/2007		490	600	134.30	135.00		015403
1/3/2007		495	600	134.30	135.00		016053
1/4/2007		485	600	134.40	135.00		016772
1/5/2007		490	600	134.30	135.00		017252
1/6/2007		490	600	134.00	135.00		017964
1/7/2007		490	600	134.20	135.00		018783
1/8/2007		490	600	134.10	135.00		019440
1/9/2007		495	600	134.00	135.00		020079
1/10/2007		490	600	134.60	135.00		020818

Totals

20,751,000 gallons
0.692 MGD

Exhibit 5
Schedule 19

Eastern States P2							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
12/11/2007		280	300	96.00	110.00	011143	
12/12/2007		290	300	106.20	110.00		011410
12/13/2007		295	300	106.70	110.00		011817
12/14/2007		290	300	106.50	110.00		012224
12/15/2007		290	300	108.45	110.00		102646
12/16/2007		290	300	108.45	110.00		013142
12/17/2007		290	300	108.80	110.00		013390
12/18/2007		290	300	108.90	110.00		013843
12/19/2007		290	300	109.10	110.00		014296
12/20/2007		290	300	108.90	110.00		014572
12/21/2007		290	300	109.30	110.00		014977
12/22/2007		295	300	109.40	110.00		015465
12/23/2007		290	300	109.10	110.00		015868
12/24/2007		290	300	109.20	110.00		016252
12/25/2007		290	300	109.40	110.00		016653
12/26/2007		290	300	1099.30	110.00		017457
12/27/2007		290	300	109.40	110.00		017457
12/28/2007		300	300	109.50	110.00		017929
12/29/2007		295	300	109.10	110.00		018224
12/30/2007		295	300	109.90	110.00		018360
12/31/2007		290	300	109.40	110.00		019111
1/1/2007		290	300	109.00	110.00		109523
1/2/2007		290	300	109.80	110.00		019923
1/3/2007		290	300	109.60	110.00		020322
1/4/2007		290	300	109.70	110.00		020735
1/5/2007		295	300	109.50	110.00		021111
1/6/2007		295	300	108.60	110.00		021435
1/7/2007		290	300	109.30	110.00		021920
1/8/2007		290	300	109.00	110.00		022297
1/9/2007		290	300	109.70	110.00		022682
1/10/2007		290	300	109.70	110.00		023105

11,962,000 gallons
0.399 MGD

Exhibit 5
Schedule 20

Fairwinds P2							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
3/15/2007		240	370	102.50	120.00	965	
3/16/2007		235	370	102.10	120.00		1298
3/17/2007		235	370	101.80	120.00		1608
3/18/2007		240	370	101.50	120.00		2092
3/19/2007		240	370	101.80	120.00		2422
3/20/2007		235	370	102.50	120.00		2755
3/21/2007		235	370	103.00	120.00		3025
3/22/2007		235	370	102.20	120.00		3324
3/23/2007		235	370	102.00	120.00		3638
3/24/2007		235	370	102.20	120.00		3976
3/25/2007		235	370	102.40	120.00		4285
3/26/2007		235	370	102.10	120.00		4575
3/27/2007		230	370	102.20	120.00		4871
3/28/2007		230	370	101.80	120.00		5217
3/29/2007		240	370	102.10	120.00		5507
3/30/2007		230	370	101.95	120.00		5935
3/31/2007		235	370	102.10	120.00		6241
4/1/2007		235	370	101.95	120.00		6568
4/2/2007		230	370	101.70	120.00		6748
4/3/2007		230	370	101.70	120.00		7164
4/4/2007		225	370	102.45	120.00		7456
4/5/2007		230	370	101.80	120.00		7714
4/6/2007		230	370	101.80	120.00		8026
4/7/2007		230	370	101.75	120.00		8343
4/8/2007		230	370	101.80	120.00		8627
4/9/2007		230	370	102.10	120.00		8950
4/10/2007		230	370	101.60	120.00		9327
4/11/2007		230	370	101.45	120.00		9682
4/12/2007		230	370	101.20	120.00		9936
4/13/2007		225	370	101.50	120.00		
4/14/2007		230	370	101.30	120.00		

8,971,000 gallons
0.299 MGD

Exhibit 5
Schedule 21

Fairwinds P4							
Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
3/15/2007		350	350	46.90	105.00	6946	
3/16/2007		350	350	99.20	105.00		12068
3/17/2007		350	350	99.80	105.00		16642
3/18/2007		350	350	99.80	105.00		28571
3/19/2007		350	350	99.80	105.00		24244
3/20/2007		350	350	100.20	105.00		33725
3/21/2007		350	350	100.70	105.00		39001
3/22/2007		350	350	99.70	105.00		43597
3/23/2007		350	350	99.70	105.00		48631
3/24/2007		350	350	99.80	105.00		53750
3/25/2007		350	350	99.70	105.00		59841
3/26/2007		350	350	99.70	105.00		63027
3/27/2007		350	350	99.80	105.00		68255
3/28/2007		350	350	99.70	105.00		72899
3/29/2007		350	350	100.20	105.00		77242
3/30/2007		350	350	99.60	105.00		84069
3/31/2007		350	350	99.90	105.00		88894
4/1/2007		350	350	99.70	105.00		93967
4/2/2007		350	350	99.45	105.00		96623
4/3/2007		350	350	99.70	105.00		103104
4/4/2007		350	350	99.45	105.00		107756
4/5/2007		350	350	99.60	105.00		111537
4/6/2007		350	350	99.70	105.00		114652
4/7/2007		350	350	99.65	105.00		118890
4/8/2007		350	350	99.75	105.00		124620
4/9/2007		350	350	99.80	105.00		130330
4/10/2007		350	350	99.50	105.00		138000
4/11/2007		350	350	99.40	105.00		142860
4/12/2007		350	350	99.10	105.00		145930
4/13/2007		350	350	99.70	105.00		152158
4/14/2007		350	350	99.70	105.00		156257

14,931,100 gallons
0.498 MGD

Exhibit 5
Schedule 22

Fairwinds P5

Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
3/15/2007		370	400	99.60	105.00	929372	
3/16/2007		370	400	99.00	105.00		929914
3/17/2007		370	400	97.40	105.00		930379
3/18/2007		370	400	98.00	105.00		930999
3/19/2007		370	400	98.20	105.00		931646
3/20/2007		370	400	98.50	105.00		932012
3/21/2007		365	400	100.10	105.00		932587
3/22/2007		365	400	99.70	105.00		933057
3/23/2007		370	400	99.30	105.00		933561
3/24/2007		370	400	99.50	105.00		934085
3/25/2007		370	400	99.50	105.00		934621
3/26/2007		365	400	99.40	105.00		935036
3/27/2007		370	400	99.50	105.00		935085
3/28/2007		360	400	99.45	105.00		936030
3/29/2007		360	400	99.60	105.00		936473
3/30/2007		365	400	99.35	105.00		937161
3/31/2007		360	400	99.50	105.00		937649
4/1/2007		360	400	99.45	105.00		938165
4/2/2007		360	400	99.10	105.00		938442
4/3/2007		360	400	99.20	105.00		939100
4/4/2007		360	400	99.10	105.00		939569
4/5/2007		360	400	99.30	105.00		939966
4/6/2007		360	400	99.30	105.00		940500
4/7/2007		360	400	99.40	105.00		940925
4/8/2007		360	400	99.20	105.00		941052
4/9/2007		360	400	99.50	105.00		941470
4/10/2007		360	400	99.30	105.00		942500
4/11/2007		360	400	99.20	105.00		943001
4/12/2007		360	400	99.00	105.00		943491
4/13/2007		360	400	99.60	105.00		944134
4/14/2007		360	400	99.50	105.00		945260

15,888,000 gallons
0.530 MGD

Exhibit 5
Schedule 23

Fairwinds P6							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
3/15/2007		225	225	95.80	110.00	800	
3/16/2007		225	225	95.90	110.00		1115
3/17/2007		225	225	95.70	110.00		1409
3/18/2007		225	225	95.50	110.00		1726
3/19/2007		225	225	96.00	110.00		2022
3/20/2007		225	225	96.20	110.00		2456
3/21/2007		225	225	97.10	110.00		2763
3/22/2007		225	225	97.10	110.00		3051
3/23/2007		225	225	96.60	110.00		3361
3/24/2007		225	225	96.90	110.00		3693
3/25/2007		225	225	96.70	110.00		4011
3/26/2007		225	225	96.60	110.00		4284
3/27/2007		225	225	96.60	110.00		4526
3/28/2007		225	225	96.60	110.00		4917
3/29/2007		225	225	96.70	110.00		5204
3/30/2007		225	225	96.60	110.00		5624
3/31/2007		225	225	96.60	110.00		5926
4/1/2007		225	225	96.95	110.00		6249
4/2/2007		225	225	96.50	110.00		6430
4/3/2007		225	225	96.60	110.00		6845
4/4/2007		225	225	96.10	110.00		7129
4/5/2007		225	225	96.45	110.00		7392
4/6/2007		225	225	96.40	110.00		7685
4/7/2007		225	225	96.55	110.00		7942
4/8/2007		225	225	96.20	110.00		8268
4/9/2007		225	225	96.30	110.00		8543
4/10/2007		225	225	96.10	110.00		8852
4/11/2007		225	225	96.30	110.00		9202
4/12/2007		225	225	96.20	110.00		9595
4/13/2007		225	225	96.70	110.00		9997

9,197,000 gallons
0.307 MGD

Exhibit 5
Schedule 24

Glendale P2R						
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
1/7/2009	350	350	48.00	72.00	33630	
1/8/2009	350	350	46.70	72.00		34044
1/9/2009	350	350	47.00	72.00		34557
1/10/2009	350	350	47.10	72.00		34997
1/11/2009	350	350	47.15	72.00		35492
1/12/2009	350	350	47.80	72.00		36082
1/13/2009	350	350	47.80	72.00		36495
1/14/2009	350	350	47.70	72.00		37118
1/15/2009	350	350	47.70	72.00		37512
1/16/2009	350	350	47.90	72.00		38108
1/17/2009	350	350	48.00	72.00		38369
1/18/2009	350	350	48.00	72.00		38770
1/19/2009	350	350	48.00	72.00		39002
1/20/2009	350	350	48.00	72.00		39464
1/21/2009	350	350	48.00	72.00		40595
1/22/2009	350	350	48.20	72.00		41131
1/23/2009	350	350	48.00	72.00		41656
1/24/2009	350	350	48.10	72.00		42076
1/25/2009	350	350	48.10	72.00		42608
1/26/2009	350	350	48.20	72.00		43041
1/27/2009	350	350	48.10	72.00		43638
1/28/2009	350	350	48.30	72.00		44138
1/29/2009	350	350	48.40	72.00		44737
1/30/2009	350	350	48.40	72.00		45193
1/31/2009	350	350	48.50	72.00		45415
2/1/2009	350	350	48.40	72.00		45921
2/2/2009	350	350	48.40	72.00		46505
2/3/2009	350	350	48.70	72.00		47145
2/4/2009	350	350	48.70	72.00		47701
2/5/2009	350	350	48.80	72.00		48222
2/6/2009	350	350	48.80	72.00		48700

Total

15,070,000 gallons
0.502 MGD

Exhibit 5
Schedule 25

Glendale P4R						
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
1/7/2009			43.50	63.00		
1/8/2009			44.00	63.00		
1/9/2009			44.80	63.00		
1/10/2009			44.90	63.00		
1/11/2009			44.90	63.00		
1/12/2009			45.00	63.00		
1/13/2009			45.10	63.00		
1/14/2009			45.10	63.00		
1/15/2009			45.20	63.00		
1/16/2009			45.20	63.00		
1/17/2009			45.20	63.00		
1/18/2009			45.20	63.00		
1/19/2009			45.30	63.00		
1/20/2009			45.30	63.00		
1/21/2009			45.30	63.00		
1/22/2009			45.20	63.00		
1/23/2009			45.30	63.00		
1/24/2009			45.30	63.00		
1/25/2009			45.40	63.00		
1/26/2009			45.30	63.00		
1/27/2009			45.40	63.00		
1/28/2009			45.40	63.00		
1/29/2009			45.50	63.00		
1/30/2009			45.50	63.00		
1/31/2009			45.50	63.00		
2/1/2009			45.65	63.00		
2/2/2009			45.85	63.00		
2/3/2009			45.85	63.00		
2/4/2009			45.90	63.00		
2/5/2009			45.90	63.00		
2/6/2009			45.90	63.00		

Total 0 gallons
0.000 MGD

Exhibit 5
Schedule 26

Glendale P5						
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
1/7/2009	132	275	77.10	100.00	20774	
1/8/2009	195	275	76.00	100.00		20933
1/9/2009	197	275	79.50	100.00		21220
1/10/2009	197	275	78.80	100.00		21475
1/11/2009	196	275	78.80	100.00		21752
1/12/2009	197	275	79.10	100.00		22082
1/13/2009	197	275	79.20	100.00		22300
1/14/2009	196	275	78.85	100.00		22661
1/15/2009	196	275	78.70	100.00		22901
1/16/2009	196	275	79.20	100.00		23221
1/17/2009	195	275	79.05	100.00		23368
1/18/2009	195	275	79.10	100.00		23862
1/19/2009	195	275	79.10	100.00		24012
1/20/2009	195	275	78.90	100.00		24222
1/21/2009	195	275	78.90	100.00		24572
1/22/2009	195	275	79.10	100.00		24910
1/23/2009	195	275	78.70	100.00		25199
1/24/2009	194	275	78.90	100.00		25432
1/25/2009	194	275	78.90	100.00		27526
1/26/2009	194	275	78.85	100.00		25965
1/27/2009	194	275	78.80	100.00		26311
1/28/2009	193	275	78.90	100.00		26475
1/29/2009	193	275	78.90	100.00		26878
1/30/2009	193	275	78.85	100.00		27162
1/31/2009	193	275	78.80	100.00		27498
2/1/2009	192	275	78.90	100.00		27773
2/2/2009	192	275	78.90	100.00		28002
2/3/2009	192	275	78.90	100.00		28231
2/4/2009	192	275	78.90	100.00		28537
2/5/2009	190	275	78.95	100.00		28825
2/6/2009	192	275	78.90	100.00		29062

Total 8,288,000 gallons
0.276 MGD

Exhibit 5
Schedule 28

Glendale P6						
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
1/7/2009	400	400	100.00	116.00	33435	
1/8/2009	400	400	100.70	116.00		33897
1/9/2009	400	400	101.50	116.00		34522
1/10/2009	400	400	101.50	116.00		34984
1/11/2009	399	400	101.50	116.00		35550
1/12/2009	400	400	101.90	116.00		36254
1/13/2009	400	400	101.90	116.00		36791
1/14/2009	400	400	101.90	116.00		37422
1/15/2009	400	400	101.60	116.00		37882
1/16/2009	400	400	102.00	116.00		38569
1/17/2009	400	400	101.80	116.00		39323
1/18/2009	400	400	101.20	116.00		39999
1/19/2009	400	400	101.35	116.00		40802
1/20/2009	400	400	101.40	116.00		41120
1/21/2009	400	400	101.80	116.00		41412
1/22/2009	400	400	102.05	116.00		42031
1/23/2009	400	400	102.10	116.00		42614
1/24/2009	399	400	101.90	116.00		43076
1/25/2009	400	400	101.90	116.00		43682
1/26/2009	400	400	102.00	116.00		44194
1/27/2009	400	400	102.10	116.00		44897
1/28/2009	400	400	102.20	116.00		45445
1/29/2009	400	400	102.30	116.00		46007
1/30/2009	400	400	102.40	116.00		46651
1/31/2009	400	400	102.50	116.00		46897
2/1/2009	400	400	102.40	116.00		47478
2/2/2009	400	400	102.40	116.00		48102
2/3/2009	400	400	102.40	116.00		48874
2/4/2009	400	400	90.20	116.00		49506
2/5/2009	400	400	90.20	116.00		50100
2/6/2009	400	400	90.30	116.00		50586

17,151,000 gallons
0.572 MGD

Exhibit 5
Schedule 27

Glendale P7						
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
1/7/2009	225	225	76.00	92.00	24378	
1/8/2009	225	225	76.45	92.00		24607
1/9/2009	224	225	78.00	92.00		24927
1/10/2009	224	225	78.10	92.00		25211
1/11/2009	224	225	78.50	92.00		25526
1/12/2009	224.6	225	78.50	92.00		25913
1/13/2009	224.6	225	78.30	92.00		26303
1/14/2009	225	225	77.65	92.00		26571
1/15/2009	224.7	225	78.80	92.00		26821
1/16/2009	224	225	78.60	92.00		27212
1/17/2009	224	225	78.75	92.00		27632
1/18/2009	225	225	78.50	92.00		27937
1/19/2009	225	225	78.00	92.00		28303
1/20/2009	225	225	77.90	92.00		28502
1/21/2009	225	225	78.80	92.00		28751
1/22/2009	224	225	78.40	92.00		29150
1/23/2009	223	225	78.20	92.00		29476
1/24/2009	223	225	78.60	92.00		29744
1/25/2009	223	225	78.60	92.00		30081
1/26/2009	223	225	78.70	92.00		30357
1/27/2009	225	225	78.70	92.00		30746
1/28/2009	225	225	78.70	92.00		31059
1/29/2009	225	225	78.70	92.00		31409
1/30/2009	225	225	78.70	92.00		31737
1/31/2009	225	225	78.90	92.00		32134
2/1/2009	225	225	78.80	92.00		32460
2/2/2009	225	225	78.70	92.00		32780
2/3/2009	225	225	78.70	92.00		33002
2/4/2009	225	225	79.00	92.00		33358
2/5/2009	225	225	79.00	92.00		33694
2/6/2009	225	225	78.95	92.00		34002

9,624,000 gallons
0.321 MGD

Exhibit 5
Schedule 29

Hockessin P1							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
11/11/2008		310	425	119.20	120.00	836650	
11/12/2008		240	425	118.80	120.00		840100
11/13/2008		230	425	117.50	120.00		843544
11/14/2008		225	425	118.00	120.00		847095
11/15/2008		222	425	118.90	120.00		850224
11/16/2008		222	425	120.00	120.00		853405
11/17/2008		215	425	118.00	120.00		856303
11/18/2008		215	425	115.00	120.00		959856
11/19/2008		215	425	115.10	120.00		863575
11/20/2008		203	425	115.20	120.00		865226
11/21/2008		204	425	113.70	120.00		869071
11/22/2008		205	425	113.20	120.00		871222
11/23/2008		205	425	113.00	120.00		875303
11/24/2008		205	425	112.90	120.00		880202
11/25/2008		205	425	112.80	120.00		888540
11/26/2008		205	425	112.50	120.00		883617
11/27/2008		204	425	119.80	120.00		887998
11/28/2008		205	425	120.00	120.00		889586
11/29/2008		200	425	119.80	120.00		892530
11/30/2008		192	425	119.20	120.00		895368
12/1/2008		195	425	115.80	120.00		897947
12/2/2008		195	425	116.90	120.00		900773
12/3/2008		195	425	117.45	120.00		903531
12/4/2008		190	425	118.00	120.00		906303
12/5/2008		185	425	119.80	120.00		909094
12/6/2008		190	425	118.45	120.00		912212
12/7/2008		191	425	118.15	120.00		915940
12/8/2008		191	425	119.20	120.00		917729
12/9/2008		190	425	119.85	120.00		920242
12/10/2008		170	425	119.00	120.00		922576
12/11/2008		170	425	119.70	120.00		924903

Total

8,825,300 gallons
0.294 MGD

Exhibit 5
Schedule 30

Hockessin P2							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
11/11/2008		200	425	182.00	200.00	400426	
11/12/2008		230	425	199.10	200.00		400702
11/13/2008		220	425	196.50	200.00		401036
11/14/2008		210	425	192.30	200.00		401358
11/15/2008		219	425	198.80	200.00		401665
11/16/2008		216	425	197.00	200.00		401971
11/17/2008		216	425	197.10	200.00		402351
11/18/2008		200	425	199.50	200.00		402628
11/19/2008		210	425	194.00	200.00		402982
11/20/2008		205	425	196.80	200.00		403193
11/21/2008		212	425	197.00	200.00		403538
11/22/2008		209	425	197.00	200.00		403940
11/23/2008		208	425	197.40	200.00		404303
11/24/2008		209	425	197.20	200.00		404580
11/25/2008		204	425	192.80	200.00		404682
11/26/2008		204	425	191.00	200.00		404990
11/27/2008		204	425	192.40	200.00		405416
11/28/2008		207	425	192.60	200.00		405571
11/29/2008		206	425	192.90	200.00		405872
11/30/2008		211	425	198.20	200.00		406182
12/1/2008		211	425	197.50	200.00		406469
12/2/2008		210	425	197.65	200.00		406769
12/3/2008		210	425	197.00	200.00		407067
12/4/2008		210	425	198.00	200.00		407352
12/5/2008		190	425	199.25	200.00		407676
12/6/2008		192	425	188.75	200.00		408110
12/7/2008		196	425	186.45	200.00		408337
12/8/2008		195	425	185.80	200.00		408559
12/9/2008		200	425	188.00	200.00		408821
12/10/2008		211	425	198.80	200.00		409099
12/11/2008		205	425	199.00	200.00		409378

8,952,000 gallons
0.298 MGD

Exhibit 5
Schedule 31

Hockessin P3							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
11/11/2008		385	425	119.50	120.00	619560	
11/12/2008		355	425	118.10	120.00		620045
11/13/2008		345	425	119.70	120.00		620561
11/14/2008		345	425	120.00	120.00		621075
11/15/2008		337	425	120.00	120.00		621547
11/16/2008		323	425	117.80	120.00		622005
11/17/2008		320	425	118.10	120.00		622555
11/18/2008		315	425	119.10	120.00		622941
11/19/2008		315	425	118.95	120.00		623535
11/20/2008		320	425	119.55	120.00		623857
11/21/2008		320	425	119.90	120.00		624375
11/22/2008		320	425	119.90	120.00		626860
11/23/2008		320	425	119.90	120.00		625404
11/24/2008		320	425	119.90	120.00		625902
11/25/2008		300	425	118.50	120.00		626118
11/26/2008		285	425	113.50	120.00		626555
11/27/2008		276	425	113.65	120.00		627144
11/28/2008		280	425	113.90	120.00		627354
11/29/2008		288	425	114.90	120.00		627772
11/30/2008		280	425	114.80	120.00		628186
12/1/2008		293	425	119.25	120.00		628591
12/2/2008		285	425	119.50	120.00		629015
12/3/2008		285	425	118.15	120.00		629430
12/4/2008		285	425	119.00	120.00		629902
12/5/2008		375	425	119.50	120.00		630260
12/6/2008		375	425	117.15	120.00		630910
12/7/2008		374	425	116.05	120.00		631261
12/8/2008		288	425	116.15	120.00		631522
12/9/2008		275	425	119.80	120.00		631904
12/10/2008		278	425	117.45	120.00		632274
12/11/2008		280	425	119.70	120.00		632655

13,095,000 gallons
0.437 MGD

Exhibit 5
Schedule 32

Hockessin P4							
Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
						ACT PAK READING	
11/11/2008		581	700	88.00	100.00	248399	
11/12/2008		480	700	99.90	100.00		249093
11/13/2008		376	700	99.90	100.00		249789
11/14/2008		374	700	99.10	100.00		250398
11/15/2008		369	700	100.00	100.00		250904
11/16/2008		365	700	100.10	100.00		251403
11/17/2008		325	700	99.40	100.00		251910
11/18/2008		324	700	99.50	100.00		525377
11/19/2008		324	700	99.90	100.00		252947
11/20/2008		310	700	99.90	100.00		253272
11/21/2008		310	700	99.70	100.00		253755
11/22/2008		305	700	99.90	100.00		254340
11/23/2008		305	700	99.70	100.00		254950
11/24/2008		305	700	99.70	100.00		255000
11/25/2008		305	700	99.70	100.00		255500
11/26/2008		275	700	98.30	100.00		255915
11/27/2008		271	700	98.25	100.00		256515
11/28/2008		277	700	98.20	100.00		256725
11/29/2008		271	700	98.20	100.00		257112
11/30/2008		273	700	98.20	100.00		257519
12/1/2008		275	700	98.40	100.00		257916
12/2/2008		275	700	98.55	100.00		258298
12/3/2008		275	700	98.70	100.00		258604
12/4/2008		275	700	98.80	100.00		259004
12/5/2008		275	700	98.85	100.00		259482
12/6/2008		275	700	99.30	100.00		260048
12/7/2008		274	700	99.50	100.00		260493
12/8/2008		274	700	99.20	100.00		260735
12/9/2008		273	700	99.20	100.00		261102
12/10/2008		275	700	99.40	100.00		261465
12/11/2008		275	700	99.55	100.00		261828

13,429,000 gallons
0.448 MGD

Exhibit 5
Schedule 33

Hockessin PG-1							
Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
11/11/2008		400	400	53.20	125.00	029569	
11/12/2008		400	400	66.90	125.00		030094
11/13/2008		400	400	59.00	125.00		030638
11/14/2008		400	400	71.10	125.00		031250
11/15/2008		389	400	72.90	125.00		031778
11/16/2008		400	400	75.30	125.00		032350
11/17/2008		400	400	75.50	125.00		032890
11/18/2008		400	400	77.50	125.00		033520
11/19/2008		400	400	80.00	125.00		034202
11/20/2008		400	400	81.20	125.00		034616
11/21/2008		400	400	85.90	125.00		035270
11/22/2008		400	400	86.00	125.00		035680
11/23/2008		400	400	87.00	125.00		036402
11/24/2008		400	400	87.10	125.00		036905
11/25/2008		400	400	89.80	125.00		037445
11/26/2008		400	400	93.20	125.00		038063
11/27/2008		399	400	95.65	125.00		038890
11/28/2008		398	400	96.60	125.00		039197
11/29/2008		399	400	98.20	125.00		039760
11/30/2008		398	400	99.70	125.00		040340
12/1/2008		400	400	100.60	125.00		040903
12/2/2008		400	400	102.85	125.00		041467
12/3/2008		400	400	105.10	125.00		042052
12/4/2008		400	400	106.20	125.00		042721
12/5/2008		400	400	108.50	125.00		043219
12/6/2008		399	400	110.85	125.00		044070
12/7/2008		397	400	111.10	125.00		044608
12/8/2008		400	400	111.95	125.00		044983
12/9/2008		400	400	113.60	125.00		045508
12/10/2008		400	400	114.40	125.00		046039
12/11/2008		400	400	115.80	125.00		046569

17,000,000 gallons
0.567 MGD

Exhibit 5
Schedule 34

Hockessin PG-3							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
11/11/2008				41.10	115.00	725971	
11/12/2008				40.50	115.00		
11/13/2008				41.70	115.00		
11/14/2008				41.50	115.00		
11/15/2008				41.70	115.00		
11/16/2008				41.80	115.00		
11/17/2008				41.80	115.00		
11/18/2008				41.80	115.00		
11/19/2008				41.90	115.00		
11/20/2008				41.70	115.00		
11/21/2008				42.10	115.00		
11/22/2008				42.00	115.00		
11/23/2008				42.00	115.00		
11/24/2008				42.00	115.00		
11/25/2008				42.45	115.00		
11/26/2008				42.70	115.00		
11/27/2008				42.90	115.00		
11/28/2008				43.00	115.00		
11/29/2008				43.00	115.00		
11/30/2008				43.05	115.00		
12/1/2008				43.03	115.00		
12/2/2008				43.05	115.00		
12/3/2008				43.50	115.00		
12/4/2008				43.60	115.00		
12/5/2008				43.70	115.00		
12/6/2008				43.85	115.00		
12/7/2008				44.10	115.00		
12/8/2008				44.00	115.00		
12/9/2008				44.00	115.00		
12/10/2008				44.00	115.00		
12/11/2008				44.30	115.00		725971

Totals

0 gallons
0.000 MGD

Exhibit 5
Schedule 35

Jefferson Farms P1

Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
11/2/2007	8:00	585	700	90.90	94.00	579618	
11/3/2007	8:23	585	700	90.70	94.00		587819
11/4/2007	9:26	600	700	91.10	94.00		596671
11/5/2007	13:15	590	700	91.10	94.00		606278
11/6/2007	17:00	590	700	91.10	94.00		615522
11/7/2007	7:25	590	700	90.80	94.00		620186
11/8/2007	21:10	600	700	90.80	94.00		632677
11/9/2007	9:30	600	700	91.00	94.00		636646
11/10/2007	9:09	595	700	90.20	94.00		643657
11/11/2007		600	700	91.20	94.00		654225
11/12/2007	10:00	600	700	91.50	94.00		660177
11/13/2007	10:00	590	700	91.10	94.00		668449
11/14/2007	7:45	590	700	90.90	94.00		675906
11/15/2007	9:00	590	700	90.60	94.00		684365
11/16/2007	12:00	590	700	90.40	94.00		693380
11/17/2007	8:20	590	700	91.05	94.00		700199
11/18/2007	21:08	590	700	90.80	94.00		712840
11/19/2007	9:07	600	700	91.20	94.00		716770
11/20/2007	11:00	590	700	91.10	94.00		724890
11/21/2007	15:00	590	700	91.10	94.00		735140
11/22/2007	16:20	590	700	91.10	94.00		743561
11/23/2007	9:25	595	700	91.20	94.00		749218
11/24/2007	9:24	595	700	91.30	94.00		757262
11/25/2007	9:32	595	700	91.30	94.00		765338
11/26/2007	9:00	590	700	91.30	94.00		773454
11/27/2007		590	700	90.85	94.00		783426
11/28/2007	14:30	595	700	91.20	94.00		791587
11/29/2007	13:45	590	700	91.35	94.00		799462
11/30/2007	13:45	590	700	91.35	94.00		807664
12/1/2007	10:45	590	700	91.40	94.00		814842
12/2/2007	9:01	595	700	91.10	94.00		822505

Total

242,887,000 gallons
8.096 MGD

Exhibit 5
Schedule 36

Jefferson Farms P2							
Date	Time	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
11/2/2007		0		73.00		REMOVED	
11/3/2007		0		73.00			
11/4/2007		0		73.30			
11/5/2007		0		73.50			
11/6/2007		0		73.60			
11/7/2007		0		73.00			
11/8/2007		0		73.00			
11/9/2007		0		73.50			
11/10/2007		0		72.00			
11/11/2007		0		73.70			
11/12/2007		0		73.90			
11/13/2007		0		74.30			
11/14/2007		0		73.70			
11/15/2007		0		73.20			
11/16/2007		0		73.70			
11/17/2007		0		73.70			
11/18/2007		0		73.60			
11/19/2007		0		73.90			
11/20/2007		0		73.75			
11/21/2007		0		73.50			
11/22/2007		0		74.05			
11/23/2007		0		73.80			
11/24/2007		0		74.30			
11/25/2007		0		74.20			
11/26/2007		0		74.10			
11/27/2007		0		74.00			
11/28/2007		0		74.25			
11/29/2007		0		74.20			
11/30/2007		0		74.25			
12/1/2007		0		74.30			
12/2/2007		0		74.30			

Exhibit 5
Schedule 37

Llangollen P2						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
5/21/2009	320	320	97.80	120.00	313008	
5/22/2009	320	320	102.40	120.00		316336
5/23/2009	320	320	102.90	120.00		319920
5/24/2009	320	320	103.30	120.00		323303
5/25/2009	320	320	105.05	120.00		331427
5/26/2009	320	320	105.30	120.00		334792
5/27/2009	320	320	105.60	120.00		339287
5/28/2009	320	320	103.25	120.00		344303
5/29/2009	320	320	102.20	120.00		349805
5/30/2009	320	320	105.00	120.00		353303
5/31/2009	320	320	105.20	120.00		358379
6/1/2009	320	320	106.00	120.00		362714
6/2/2009	320	320	106.00	120.00		367357
6/3/2009	320	320	104.75	120.00		369186
6/4/2009	320	320	106.00	120.00		373818
6/5/2009	320	320	106.10	120.00		379385
6/6/2009	320	320	106.20	120.00		382962
6/7/2009	320	320	106.30	120.00		387616
6/8/2009	320	320	106.30	120.00		392197
6/9/2009	320	320	106.50	120.00		397422
6/10/2009	320	320	106.45	120.00		402422
6/11/2009	320	320	106.20	120.00		406753
6/12/2009	320	320	106.30	120.00		410906
6/13/2009	Power Outage			120.00		415207
6/14/2009	320	320	106.40	120.00		419042
6/15/2009	320	320	106.40	120.00		421620
6/16/2009	320	320	106.60	120.00		425488
6/17/2009	320	320	106.55	120.00		430517
6/18/2009	320	320	106.55	120.00		435303
6/19/2009	320	320	106.60	120.00		439063
6/20/2009	320	320	106.50	120.00		446220
6/21/2009	320	320	106.20	120.00		449117

Total

13,321,200 gallons
0.444 MGD

Exhibit 5
Schedule 38

Llangollen P6						
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
5/21/2009		600	83.10	110.00		
5/22/2009		600	83.20	110.00		
5/23/2009		600	83.00	110.00		
5/24/2009		600	83.40	110.00		
5/25/2009		600	83.40	110.00		
5/26/2009		600	83.50	110.00		
5/27/2009		600	83.36	110.00		
5/28/2009		600	83.70	110.00		
5/29/2009		600	83.70	110.00		
5/30/2009		600	83.70	110.00		
5/31/2009		600	84.20	110.00		
6/1/2009		600	84.20	110.00		
6/2/2009		600	84.60	110.00		
6/3/2009		600	84.60	110.00		
6/4/2009		600	83.00	110.00		
6/5/2009		600	84.80	110.00		
6/6/2009		600	84.40	110.00		
6/7/2009		600	85.00	110.00		
6/8/2009		600	85.20	110.00		
6/9/2009		600	85.10	110.00		
6/10/2009		600	85.00	110.00		
6/11/2009		600	84.75	110.00		
6/12/2009		600	84.90	110.00		
6/13/2009		600	85.00	110.00		
6/14/2009		600	85.10	110.00		
6/15/2009		600	84.95	110.00		
6/16/2009		600	84.70	110.00		
6/17/2009		600	84.80	110.00		
6/18/2009		600	84.80	110.00		
6/19/2009		600	84.90	110.00		
6/20/2009		600	84.30	110.00		
6/21/2009		600	84.20	110.00		

Total

0 gallons
0.000 MGD

Exhibit 5
Schedule 39

Llangollen P7				ACKPAK		
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
5/21/2008	558	600	80.60	97.00	729964	
5/22/2008	560	600	86.50	97.00		730515
5/23/2008	560	600	87.30	97.00		731015
5/24/2008	552	600	88.20	97.00		731600
5/25/2008	600	600	89.10	97.00	2659	0
5/26/2008	600	600	90.00	97.00		3227
5/27/2008	600	600	91.70	97.00		4045
5/28/2008	600	600	91.30	97.00		5046
5/29/2008	600	600	91.00	97.00		5992
5/30/2008	600	600	90.90	97.00		6698
5/31/2008	600	600	90.90	97.00		7636
6/1/2008	600	600	91.85	97.00		8462
6/2/2008	600	600	91.90	97.00		9331
6/3/2008	600	600	90.90	97.00		10081
6/4/2008	600	600	91.75	97.00		10934
6/5/2008	600	600	92.00	97.00		11832
6/6/2008	600	600	91.90	97.00		12679
6/7/2008	600	600	91.90	97.00		13556
6/8/2008	600	600	92.00	97.00		14412
6/9/2008	600	600	92.10	97.00		15389
6/10/2008	600	600	91.90	97.00		16335
6/11/2008	600	600	92.00	97.00		17157
6/12/2008	600	600	91.80	97.00		17920
6/13/2008	Power Outage					18703
6/14/2008	600	600	91.70	97.00		19205
6/15/2008	600	600	91.80	97.00		20117
6/16/2008	600	600	91.85	97.00		20882
6/17/2008	600	600	91.90	97.00		21765
6/18/2008	600	600	91.70	97.00		22647
6/19/2008	600	600	91.90	97.00		23361
6/20/2009	600	600	91.60	97.00		23980
6/21/2009	600	600	91.50	97.00		24747

Total

5/21 thru 5/24	1,636,000 gallons
5/25 thru 6/19	21,321,000 gallons
	0.765 MGD

Exhibit 5
Schedule 40

Llangollen PK-1						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
5/21/2009	517	600	95.00	95.00	938246	
5/22/2009	440	600	92.30	95.00		938707
5/23/2009	440	600	92.10	95.00		939427
5/24/2009	440	600	92.00	95.00		940502
5/25/2009	440	600	92.00	95.00		941000
5/26/2009	460	600	94.90	95.00		941402
5/27/2009	475	600	91.20	95.00		941910
5/28/2009	475	600	93.00	95.00		942011
5/29/2009	467	600	92.20	95.00		943443
5/30/2009	480	600	92.00	95.00		943957
5/31/2009	485	600	94.90	95.00		944731
6/1/2009	470	600	94.50	95.00		945376
6/2/2009	471	600	94.10	95.00		946054
6/3/2009	471	600	92.50	95.00		946631
6/4/2009	475	600	95.00	95.00		947322
6/5/2009	465	600	94.60	95.00		948144
6/6/2009	465	600	93.60	95.00		948665
6/7/2009	471	600	94.20	95.00		949353
6/8/2009	465	600	95.00	95.00		950037
6/9/2009	460	600	94.00	95.00		950789
6/10/2009	464	600	93.85	95.00		951496
6/11/2009	470	600	93.30	95.00		952141
6/12/2009	469	600	94.00	95.00		952751
6/13/2009	Power Outage					953000
6/14/2009	474	600	93.50	95.00		953107
6/15/2009	475	600	94.00	95.00		954001
6/16/2009	476	600	94.70	95.00		955024
6/17/2009	475	600	94.70	95.00		955766
6/18/2009	475	600	94.75	95.00		956458
6/19/2009	478	600	94.95	95.00		957036
6/20/2009	478	600	94.80	95.00		957777
6/21/2009	475	600	94.75	95.00		958303

Total 19,531,000 gallons
0.651 MGD

Exhibit 5
Schedule 41

Llangollen PG-3						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
5/21/2009	255	620	97.00	98.00	695717	
5/22/2009	440	620	93.90	98.00		695951
5/23/2009	440	620	95.25	98.00		696001
5/24/2009	440	620	97.00	98.00		696202
5/25/2009	411	620	104.00	98.00		697747
5/26/2009	340	620	96.00	98.00		698240
5/26/2009	366	620	95.30	98.00		698713
5/27/2009	344	620	95.92	98.00		698842
5/28/2009	344	620	96.00	98.00		699001
5/29/2009	344	620	96.20	98.00		699844
5/30/2009	346	620	96.10	98.00		700219
5/31/2009	337	620	97.60	98.00		700762
6/1/2009	324	620	98.00	98.00		701222
6/2/2009	332	620	97.95	98.00		701702
6/3/2009	350	620	93.10	98.00		702247
6/4/2009	345	620	97.95	98.00		702750
6/5/2009	325	620	97.90	98.00		703353
6/6/2009	325	620	96.20	98.00		703714
6/7/2009	320	620	97.00	98.00		704205
6/8/2009	315	620	97.60	98.00		704662
6/9/2009	315	620	98.00	98.00		705180
6/10/2009	314	620	97.80	98.00		705665
6/11/2009	314	620	97.60	98.00		705898
6/12/2009	316	620	97.90	98.00		706508
6/13/2009	312	620	97.80	98.00		706673
6/14/2009	303	620	97.50	98.00		707164
6/15/2009	303	620	97.00	98.00		707995
6/16/2009	320	620	90.40	98.00		708001
6/17/2009	320	620	90.50	98.00		708492
6/18/2009	325	620	93.00	98.00		708966
6/19/2009	342	620	97.80	98.00		709384
6/20/2009	340	620	96.50	98.00		709802
6/21/2009	330	620	95.00			710011

Total 14,085,000 gallons
0.470 MGD

Exhibit 5
Schedule 42

Middle Run P1							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
5/7/2008		273	300	122.50	152.00	881586	
5/8/2008		263	300	125.10	152.00		885078
5/9/2008		265	300	126.00	152.00		889122
5/10/2008		261	300	128.70	152.00		892586
5/11/2008		258	300	130.10	152.00		896453
5/12/2008		260	300	130.20	152.00		900041
5/13/2008		260	300	129.40	152.00		903521
5/14/2008		258	300	129.90	152.00		907905
5/15/2008		260	300	131.10	152.00		911221
5/16/2008		254	300	131.90	152.00		916081
5/17/2008		232	300	121.10	152.00		918152
5/18/2008		241	300	124.80	152.00		921313
5/19/2008		260	300	130.85	152.00		924756
5/20/2008		258	300	133.40	152.00		928410
5/21/2008		258	300	133.90	152.00		932043
5/22/2008		246	300	132.40	152.00		938023
5/23/2008		254	300	134.00	152.00		939561
5/24/2008		249	300	133.70	152.00		942764
5/25/2008		255	300	134.90	152.00		947922
5/26/2008		254	300	136.20	152.00		950373
5/27/2008		250	300	135.10	152.00		954020
5/28/2008		250	300	136.10	152.00		957604
5/29/2008		254	300	136.50	152.00		961038
5/30/2008		252	300	136.55	152.00		965310
5/31/2008		254	300	137.90	152.00		968808
6/1/2008		246	300	136.90	152.00		973937
6/2/2008		251	300	138.30	152.00		975387
6/3/2008		249	300	138.10	152.00		978913
6/4/2008		249	300	139.30	152.00		982286
6/5/2008		251	300	139.80	152.00		985927
6/6/2008		246	300	140.20	152.00		989445

Total

107,859,000 gallons
3.595 MGD

Exhibit 5
Schedule 43

Middle Run P2							
Date	**Time**	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
5/7/2008		450	450	76.80	116.00	863182	
5/8/2008		450	450	81.10	116.00		868924
5/9/2008		445	450	82.60	116.00		873022
5/10/2008		449	450	85.00	116.00		881764
5/11/2008		450	450	86.50	116.00		888338
5/12/2008		449	450	86.70	116.00		894469
5/13/2008		450	450	88.90	116.00		900947
5/14/2008		450	450	90.00	116.00		908548
5/15/2008		450	450	90.90	116.00		914317
5/16/2008		443	450	92.00	116.00		922807
5/17/2008		447	450	92.80	116.00		926761
5/18/2008		446	450	93.10	116.00		932923
5/19/2008		450	450	94.00	116.00		939430
5/20/2008		450	450	94.90	116.00		945877
5/21/2008		450	450	95.60	116.00		952305
5/22/2008		440	450	96.80	116.00		962873
5/23/2008		443	450	97.00	116.00		965618
5/24/2008		450	450	97.55	116.00		971252
5/25/2008		446	450	98.80	116.00		980394
5/26/2008		450	450	99.05	116.00		984732
5/27/2008		446	450	97.70	116.00		991213
5/28/2008		450	450	98.00	116.00		997604
5/29/2008		450	450	98.45	116.00		003733
5/30/2008		450	450	99.10	116.00		011319
5/31/2008		450	450	9.90	116.00		017586
6/1/2008		446	450	98.60	116.00		026800
6/2/2008		450	450	101.10	116.00		029408
6/3/2008		450	450	101.95	116.00		035754
6/4/2008		450	450	102.30	116.00		041883
6/5/2008		450	450	103.60	116.00		048548
6/6/2008		450	450	104.10	116.00		054885

Total

189,307,000 gallons
6.310 MGD

Exhibit 5
Schedule 44

Midvale P1						
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
3/5/2009	100	200	50.40	75.00	324332	
3/6/2009	100	200	51.10	75.00		325025
3/7/2009	100	200	51.90	75.00		327092
3/8/2009	100	200	51.70	75.00		328394
3/9/2009	100	200	51.80	75.00		329019
3/10/2009	100	200	52.10	75.00		330695
3/11/2009	90	200	52.70	75.00		331911
3/12/2009	95	200	52.20	75.00		332696
3/13/2009	95	200	52.85	75.00		333865
3/14/2009	90	200	53.00	75.00		335289
3/15/2009	90	200	53.00	75.00		337260
3/16/2009	90	200	53.10	75.00		338092
3/17/2009	90	200	53.30	75.00		339302
3/18/2009	90	200	53.30	75.00		340637
3/19/2009	90	200	53.50	75.00		341897
3/20/2009	92	200	53.80	75.00		343108
3/21/2009	90	200	53.80	75.00		344681
3/22/2009	90	200	53.75	75.00		346106
3/23/2009	90	200	53.80	75.00		346842
3/24/2009	90	200	53.80	75.00		347200
3/25/2009	90	200	53.80	75.00		348101
3/26/2009	90	200	53.90	75.00		350001
3/27/2009	90	200	53.90	75.00		351100
3/28/2009	90	200	54.05	75.00		353789
3/29/2009	90	200	54.00	75.00		355303
3/30/2009	90	200	54.00	75.00		356010
3/31/2009	90	200	53.90	75.00		357616
4/1/2009	90	200	54.00	75.00		358784
4/2/2009	90	200	53.90	75.00		360016
4/3/2009	90	200	54.00	75.00		360102
4/4/2009	90	200	54.00	75.00		362584

Total 3,825,200 gallons
0.128 MGD

Exhibit 5
Schedule 45

Midvale P2						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
3/5/2009	64	200	46.00	67.00	374484	
3/6/2009	64	200	46.40	67.00		374894
3/7/2009	64	200	47.20	67.00		375038
3/8/2009	64	200	47.00	67.00		375133
3/9/2009	65	200	47.40	67.00		375175
3/10/2009	65	200	47.40	67.00		375288
3/11/2009	65	200	47.50	67.00		375390
3/12/2009	68	200	47.70	67.00		375447
3/13/2009	68	200	47.90	67.00		375529
3/14/2009	65	200	48.10	67.00		375635
3/15/2009	65	200	48.20	67.00		375707
3/16/2009	65	200	48.20	67.00		375842
3/17/2009	65	200	48.30	67.00		375930
3/18/2009	65	200	48.30	67.00		376030
3/19/2009	64	200	48.40	67.00		376123
3/20/2009	65	200	48.80	67.00		376211
3/21/2009	68	200	48.65	67.00		376326
3/22/2009	65	200	48.75	67.00		376430
3/23/2009	65	200	48.70	67.00		376479
3/24/2009	65	200	48.70	67.00		376580
3/25/2009	65	200	48.90	67.00		376070
3/26/2009	65	200	49.00	67.00		376650
3/27/2009	65	200	49.00	67.00		376702
3/28/2009	65	200	49.10	67.00		376989
3/29/2009	65	200	49.10	67.00		377050
3/30/2009	65	200	49.00	67.00		377175
3/31/2009	65	200	49.00	67.00		377270
4/1/2009	65	200	48.90	67.00		377326
4/2/2009	65	200	48.95	67.00		377477
4/3/2009	65	200	48.80	67.00		377540
4/4/2009	65	200	48.70	67.00		377639

Total 3,155,000 gallons
0.105 MGD

Exhibit 5
Schedule 46

Old Country Road P1						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
4/16/2009	698	700	214.00	320.00	440679	
4/17/2009	699	700	215.20	320.00		441438
4/18/2009	699	700	222.28	320.00		442614
4/19/2009	700	700	221.50	320.00		443615
4/20/2009	698	700	224.90	320.00		444379
4/21/2009	697	700	225.20	320.00		445383
4/22/2009	699	700	225.60	320.00		446376
4/23/2009	700	700	225.60	320.00		447336
4/24/2009	698	700	226.50	320.00		448348
4/25/2009	697	700	227.35	320.00		449875
4/26/2009	695	700	227.40	320.00		450861
4/27/2009	699	700	226.90	320.00		451320
4/28/2009	700	700	228.00	320.00		452327
4/29/2009	700	700	227.80	320.00		453311
4/30/2009	698	700	228.30	320.00		454326
5/1/2009	700	700	228.00	320.00		455304
5/2/2009	698	700	229.40	320.00		456491
5/3/2009	698	700	228.90	320.00		457451
5/4/2009	697	700	228.10	320.00		458297
5/5/2009	689	700	228.90	320.00		459517
5/6/2009	698	700	228.00	320.00		460291
5/7/2009	698	700	227.10	320.00		461267
5/12/2009	698	700	225.30	320.00		465495
5/13/2009	699	700	225.90	320.00		466474
5/14/2009	698	700	227.60	320.00		467479
5/15/2009	700	700	228.10	320.00		468461
5/16/2009	698	700	228.40	320.00		469558
5/17/2009	698	700	228.30	320.00		470561
5/18/2009	697	700	228.70	320.00		471459
5/19/2009	700	700	227.90	320.00		472700

Total 32,021,000 gallons
1.067 MGD

Exhibit 5
Schedule 47

Old Country Road P2						
Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
4/16/2009	975	1000	226.30	413.00	770200	
4/17/2009	996	1000	227.10	413.00		771262
4/18/2009	1000	1000	236.05	413.00		772925
4/19/2009	992	1000	235.80	413.00		774396
4/20/2009	995	1000	237.50	413.00		775486
4/21/2009	999	1000	237.80	413.00		776916
4/22/2009	998	1000	238.10	413.00		778339
4/23/2009	998	1000	238.50	413.00		779733
4/24/2009	996	1000	239.02	413.00		781174
4/25/2009	994	1000	238.40	413.00		783354
4/26/2009	994	1000	238.70	413.00		784763
4/27/2009	995	1000	240.10	413.00		785460
4/28/2009	995	1000	240.10	413.00		786891
4/29/2009	992	1000	243.00	413.00		788324
4/30/2009	989	1000	243.40	413.00		789752
5/1/2009	990	1000	240.50	413.00		791158
5/2/2009	992	1000	239.03	413.00		792848
5/3/2009	990	1000	238.92	413.00		794223
5/4/2009	992	1000	239.00	413.00		795438
5/5/2009	990	1000	240.00	413.00		797187
5/6/2009	989	1000	239.90	413.00		798281
5/7/2009	994	1000	240.00	413.00		799702
5/12/2009	990	1000	237.50	413.00		805906
5/13/2009	994	1000	240.30	413.00		807325
5/14/2009	997	1000	240.50	413.00		808756
5/15/2009	992	1000	240.60	413.00		810183
5/16/2009	990	1000	240.70	413.00		811725
5/17/2009	990	1000	240.90	413.00		813178
5/18/2009	990	1000	241.10	413.00		814474
5/19/2009	994	1000	241.30	413.00		816275

Total 46,075,000 gallons
1.536 MGD

Exhibit 5
Schedule 48

Wilmington Airport P1						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
5/29/2009	200	200	74.10	185.00	378734	
5/30/2009	200	200	148.60	185.00		378988
5/31/2009	200	200	157.70	185.00		379294
6/1/2009	200	200	162.90	185.00		379538
6/2/2009	200	200	166.70	185.00		379832
6/3/2009	200	200	168.35	185.00		380025
6/4/2009	200	200	170.95	185.00		380451
6/5/2009	200	200	172.20	185.00		380654
6/6/2009	200	200	173.50	185.00		380938
6/7/2009	200	200	174.60	185.00		381248
6/8/2009	200	200	175.00	185.00		381477
6/9/2009	200	200	175.10	185.00		384802
6/10/2009	200	200	176.00	185.00		382128
6/11/2009	200	200	175.70	185.00		382297
6/12/2009	200	200	175.00	185.00		382454
6/13/2009	200	200	174.90	185.00		382732
6/14/2009	200	200	174.90	185.00		383012
6/15/2009	200	200	174.80	185.00		383292
6/16/2009	195	200	176.80	185.00		383560
6/17/2009	195	200	174.60	185.00		383859
6/18/2009	195	200	174.50	185.00		384084
6/19/2009	190	200	174.80	185.00		384337

Total 5,603,000 gallons
0.255 MGD

Exhibit 5
Schedule 49

Wilmington Airport P2						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
5/29/2009	200	200	57.70	208.00	99545	
5/30/2009	200	200	194.10	208.00		99802
5/31/2009	200	200	201.00	208.00		100107
6/1/2009	200	200	207.00	208.00		100369
6/2/2009	200	200	207.30	208.00		100641
6/3/2009	200	200	207.10	208.00		100903
6/4/2009	200	200	207.50	208.00		101210
6/5/2009	190	200	207.10	208.00		101396
6/6/2009	180	200	206.50	208.00		101646
6/7/2009	180	200	206.50	208.00		101924
6/8/2009	180	200	206.50	208.00		102112
6/9/2009	180	200	206.00	208.00		102303
6/10/2009	180	200	204.80	208.00		102654
6/11/2009	190	200	205.00	208.00		102725
6/12/2009	200	200	204.00	208.00		102944
6/13/2009	200	200	207.20	208.00		103183
6/14/2009	180	200	207.90	208.00		103434
6/15/2009	180	200	207.00	208.00		103609
6/16/2009	180	200	207.00	208.00		103884
6/17/2009	170	200	208.00	208.00		104154
6/18/2009	170	200	207.00	208.00		104361
6/19/2009	170	200	206.90	208.00		104572

Total 5,027,000 gallons
0.229 MGD

Exhibit 5
Schedule 50

Wilmington Airport P3R

Date	Pump Rate	Max Pump	Water Level	Max Water	Meter Reading Start	Meter Reading End
5/29/2009	200	200	45.10	134.00	000323	
5/30/2009	200	200	102.90	134.00		000549
5/31/2009	200	200	102.30	134.00		000888
6/1/2009	200	200	115.50	134.00		001165
6/2/2009	200	200	117.10	134.00		001462
6/3/2009	200	200	117.30	134.00		002000
6/4/2009	200	200	121.40	134.00		002071
6/5/2009	200	200	121.50	134.00		002279
6/6/2009	200	200	121.50	134.00		002460
6/7/2009	200	200	121.40	134.00		002873
6/8/2009	200	200	121.50	134.00		003120
6/9/2009	200	200	121.40	134.00		003366
6/10/2009	200	200	121.40	134.00		003765
6/11/2009	200	200	121.20	134.00		004001
6/12/2009	200	200	121.30	134.00		004253
6/13/2009	200	200	121.40	134.00		004509
6/14/2009	200	200	121.40	134.00		004785
6/15/2009	190	200	121.30	134.00		005060
6/16/2009	185	200	121.30	134.00		005345
6/17/2009	190	200	121.40	134.00		005638
6/18/2009	190	200	121.20	134.00		005872
6/19/2009	185	200	121.30	134.00		006125

Total 5,802,000 gallons
0.264 MGD

Exhibit 5
Schedule 51

Wilmington Manor P1						
Date	**Pump Rate**	**Max Pump**	**Water Level**	**Max Water**	**Meter Reading Start**	**Meter Reading End**
2/20/2009	195	200	22.95	35.00'	302070	
2/21/2009	195	200	24.80	35.00'		302484
2/22/2009	195	200	25.00	35.00'		302751
2/23/2009	195	200	25.20	35.00'		302846
2/24/2009	195	200	25.60	35.00'		303161
2/25/2009	195	200	25.70	35.00'		303404
2/26/2009	190	200	26.20	35.00'		303664
2/27/2009	195	200	25.75	35.00'		303924
2/28/2009	195	200	25.75	35.00'		304322
3/1/2009	190	200	26.55	35.00'		304600
3/2/2009	190	200	25.80	35.00'		304881
3/3/2009	190	200	25.60	35.00'		305010
3/4/2009	190	200	25.90	35.00'		305429
3/5/2009	190	200	26.00	35.00'		305553
3/6/2009	190	200	26.85	35.00'		302793
3/7/2009	190	200	26.70	35.00'		306218
3/8/2009	190	200	26.50	35.00'		306447
3/9/2009	190	200	26.85	35.00'		306639
3/10/2009	190	200	27.00	35.00'		306869
3/11/2009	190	200	27.10	35.00'		307125
3/12/2009	185	200	27.10	35.00'		307361
3/13/2009	180	200	26.90	35.00'		307639
3/14/2009	190	200	27.50	35.00'		307936
3/15/2009	185	200	27.10	35.00'		308495
3/16/2009	185	200	27.00	35.00'		308801
3/17/2009	190	200	26.90	35.00'		309136
3/18/2009	190	200	27.10	35.00'		309201
3/19/2009	185	200	27.20	35.00'		309274
3/20/2009	190	200	27.00	35.00'		309500
3/21/2009	190	200	27.25	35.00'		309873
3/22/2009	190	200	27.10	35.00'		310158

Total

8,088,000 gallons
0.270 MGD

Exhibit 5
Schedule 52

Wilmington Manor P3						
Date	Pump Rate	Max Pump	29.9	Max Water	Meter Reading Start	Meter Reading End
1/15/2009	278	350	29.90	55.00	3975	
1/16/2009	282	350	30.90	55.00		4483
1/17/2009	280	350	30.60	55.00		4926
1/18/2009	256	350	30.50	55.00		5373
1/19/2009	256	350	30.10	55.00		5757
1/20/2009	275	350	30.50	55.00		6028
1/21/2009	275	350	30.70	55.00		6361
1/22/2009	274	350	31.00	55.00		6401
1/23/2009	274	350	31.20	55.00		7059
1/24/2009	271	350	30.80	55.00		561
1/25/2009	275	350	31.00	55.00		917
1/26/2009	274	350	31.00	55.00		1085
1/27/2009	278	350	31.10	55.00		1591
1/28/2009	273	350	30.80	55.00		1920
1/29/2009	274	350	31.00	55.00		2352
1/30/2009	276	350	30.90	55.00		2761
1/31/2009	270	350	31.10	55.00		3303
2/1/2009	270	350	30.95	55.00		3676
2/2/2009	275	350	31.00	55.00		3997
2/3/2009	276	350	31.00	55.00		4294
2/4/2009	268	350	31.10	55.00		4633
2/5/2009	267	350	31.10	55.00		5000
2/6/2009	270	350	31.10	55.00		5478
2/7/2009	272	350	30.80	55.00		5986
2/8/2009	272	350	31.00	55.00		6377
2/9/2009	274	350	31.20	55.00		6539
2/10/2009	265	350	30.90	55.00		6955
2/11/2009	274	350	31.10	55.00		7302
2/12/2009	285	350	31.40	55.00		7791
2/13/2009	279	350	31.50	55.00		8112
2/14/2009	265	350	31.25	55.00		8716

Total 4,741,000 gallons
0.158 MGD

Exhibit 5
Schedule 53

2006 Llangollen ASR Recovery

Date	Max Pump	Max Water	Daily Pumpage
8/26/2006	1000	92.00	857,000
8/27/2006	1000	92.00	1,033,000
8/28/2006	1000	92.00	875,000
8/29/2006	1000	92.00	922,000
8/30/2006	1000	92.00	792,000
8/31/2006	1000	92.00	973,000
9/1/2006	1000	92.00	1,022,000
9/2/2006	1000	92.00	967,000
9/3/2006	1000	92.00	967,000
9/4/2006	1000	92.00	823,000
9/5/2006	1000	92.00	1,025,000
9/6/2006	1000	92.00	1,064,000
9/7/2006	1000	92.00	675,000
9/8/2006	1000	92.00	230,000
9/9/2006	1000	92.00	723,000
9/10/2006	1000	92.00	890,000
9/11/2006	1000	92.00	1,756,000
9/12/2006	1000	92.00	472,000
9/13/2006	1000	92.00	918,000
9/14/2006	1000	92.00	860,000
9/15/2006	1000	92.00	1,889,000
9/16/2006	1000	92.00	803,000
9/17/2006	1000	92.00	1,110,000
9/18/2006	1000	92.00	891,000
9/19/2006	1000	92.00	912,000
9/20/2006	1000	92.00	1,040,000
9/21/2006	1000	92.00	802,000
9/22/2006	1000	92.00	925,000
9/23/2006	1000	92.00	944,000
9/24/2006	1000	92.00	917,000
9/25/2006	1000	92.00	932,000

Total 29,009,000 gallons
0.967 MGD

Exhibit III-6

INTERCONNECTION CAPACITY- Northern New Castle County

INTERCONNECTION	CAPACITY (MGD) Average	Max Month
City of Wilmington		
Moorehouse Ln. (Note 1)	--	--
Cleveland & Taft	0.5	0.0
S. Heald St.	1.0	0.0
Maryland Ave.	3.0	0.0
United Water Delaware		
Newport Heights	2.0	0.0
Churchmans Rd.	1.0	0.0
First State Ind. Park	1.0	0.0
Red Lion (Note 1)	--	--
Pleasant Valley Rd.	0.7	0.0
City of New Castle		
School Lane	0.5	0.7
Lukens Drive (Note 1)		
City of Newark (Note 1)	0.0	0.0
Chester Water Authority	3.0	6.0
Town of Elkton	0.00	0.0
TOTAL INTERCONNECTIONS	**12.7**	**6.7**

Note 1: For emergency use.

2-2361

VAULT COPY

ADDENDUM TO INTERCONNECTION AGREEMENT

This Addendum, made as of the 1 day of ~~July,~~ August 1997 ("Addendum"), and which becomes effective upon execution by both parties, is intended to modify an Agreement dated June 6, 1990 ("Existing Agreement") between Chester Water Authority, a municipal authority organized and existing under the laws of the Commonwealth of Pennsylvania, with its principal office at 5th & Welsh Streets, Chester, Pennsylvania, with its principal office at 5th & Welsh Streets, Chester, Pennsylvania 19106 ("Chester"), and Artesian Water Company, Inc., a corporation organized and existing under the laws of the State of Delaware, with its principal office at 664 Churchmans Road, Newark, Delaware 19702 ("Artesian") (the "Existing Agreement" and this "Addendum" hereinafter collectively referred to as the "Agreement").

W I T N E S S E T H:

WHEREAS, Chester and Artesian have obtained regulatory approvals necessary to modify Existing Agreement in accordance with (1) Delaware River Basin Commission ("DRBC") Docket No. D-84-10-CP,

Supplement No. 3; (2) Pennsylvania Department of Environmental Protection, Pennsylvania DEP Permit No. WA-23-275-B (permit issued December 6, 1996); (3) Susquehanna River Basin Commission ("SRBC") Application No. 1996, 1004 (approval dated November 26, 1996); and

WHEREAS, Chester and Artesian wish to modify the following Sections of Existing Agreement as follows:

Modified Section 2.2, Commencement And Option To Extend Term. Chester's deliveries and Artesian's purchases of the Supplies (as described at Section 2.3 hereof) shall commence on the effective date of the Addendum and continue through and including December 31, 2021. Artesian has the right, subject to all requisite regulatory and governmental approvals, to extend the term of this Agreement through and including December 31, 2047 (the "Option") by giving Chester written notice on or before December 31, 2019 that it elects to extend the term of this Agreement, and Chester shall take all necessary steps, including, without limitation, seeking regulatory and governmental approvals in a timely manner, to assure that, at a minimum, supplies in the amounts provided for in this Agreement are available to Artesian at such time as it may elect to extend the term of this agreement through 2047. If Chester is unable to obtain, on or before December 31, 2021, all necessary regulatory and governmental approvals and permits necessary to permit Chester to

deliver Supplies to Artesian beyond December 31, 2021, then the Interconnection Agreement, dated June 6, 1990, as modified by this Addendum shall terminate as of December 31, 2021.

Modified Section 2.3, Monthly Supply/Purchase Obligations. Subject to the terms and conditions of this Article II, and commencing on the effective date of the Addendum, Chester shall deliver and Artesian shall purchase annually a minimum amount of water. For the period from the effective date of the Addendum through December 31, 1997, the minimum amount to be purchased by Artesian shall be the number arrived at by multiplying 3.0 million gallons by the total number of days from the effective date of the Addendum through December 31, 1997. For each of the years 1998 through 2021, or any subsequent year pursuant to Artesian's exercise of its Option under Section 2.2, the minimum amount shall be the number arrived at by multiplying 3.0 million gallons by the number of days in such calendar year. The amount purchased by Artesian may, on any one day, be no less than 2.0 million gallons, as long as the minimum amount to be purchased annually, as calculated above, is purchased by Artesian in that calendar year; provided, however, that Artesian may purchase less then the minimum annual amount of water by a quantity/amount which is equal to that quantity/amount that Chester is unable to deliver for any reason as requested by Artesian

consistent with Section 2.4 hereof or that does not satisfy any of the water quality standards described in Section 2.11(i) through (iv). Artesian has no obligation to pay for water which, for any reason, Chester fails to deliver to Artesian or which fails to satisfy any of the water quality standards described in Section 2.11(i) through (iv). As of January 1, 2015, Artesian has the right, upon thirty (30) days' prior written notice to Chester, to adjust the minimum amount of water it purchases from Chester up to the maximum amount allowed annually under Section 2.4, to be calculated consistent with the terms of Section 2.3

Modified Section 2.4, Peak Supply Capacity. From the effective date of the Addendum until December 31, 2021, or subsequent extension, and subject to the terms of this Article II, Artesian shall have the right to take, and Chester shall be obligated to deliver, the Supplies in amounts up to but not exceeding 6.0 million gallons per day based upon a thirty (30) day average, providing Artesian is purchasing 3 million gallons per day on an annual average basis. Artesian shall have the right to take higher levels for peaking purposes, based on a two (2) to one (1) ratio (peak to average day), only after it shall have established a higher average per day purchase in the preceding twelve (12) month period and after Chester shall have had sufficient opportunity to analyze and install

and does in fact install the physical equipment in its system to accommodate the increased flow. For example, if the proper equipment were installed and if Artesian had purchased an average of 3.5 million gallons per day in the preceding twelve (12) month period the Company would be permitted to peak in the following twelve (12) month period up to 7 million gallons per day. This provision, however, shall not increase or cause the Company to exceed a peak of 6 million gallons per day based upon a thirty (30) day average.

If Chester or Artesian are unable to obtain the necessary regulatory approvals to satisfy the higher peaking level requirement in Section 2.4 then Chester shall have no obligation to provide this higher peaking level requirement.

Modified Section 2.8, Water Pressure At Interconnection. Water pressure at the interconnection will be approximately sixty-five (65) pounds per square inch ("psi") as measured at the interconnection.

Modified Section 2.10, Charges And Billing Procedures. **{Substitutes for current Sections 2.10.1, 2.10.2, and 2.10.3.}** The interconnection meter shall be read on a monthly basis, at a date and time predetermined and agreed to by Chester and Artesian annually, and Chester shall bill Artesian based in accordance with the terms of this Agreement and Chester's then current rates, rules, and

regulations. The rates charged Artesian for wholesale or bulk water purchases shall be cost-based and shall rely on a cost-of-service analysis using utility-basis of rate-making which conforms with water industry practice and standards. Chester's rates and rate structure shall fairly allocate Chester's cost of service and shall not result in Artesian subsidizing the cost of operating Chester's system to the benefit of any class of customers, except as may be permitted in applying water industry cost-of-service standards.

Modified Section 2.13, Rate Changes. During the term of this Addendum, or any extension thereof, Chester shall provide Artesian with ninety (90) days' prior written notice of Chester Water Authority Board action to change Chester's then-current tariff rates, rate structure, and/or rules, regulations, or other standards for service.

Modified Section 2.14, Term. The parties' obligations under this Article II shall commence as of the effective date of the Addendum and shall continue through December 31, 2021, except as otherwise provided by Section 2.2 and Section 2.5.

IN WITNESS WHEREOF, the parties hereto have caused this Addendum to be executed and delivered, and their duly authorized officers, as of the day and year first written above.

CHESTER WATER AUTHORITY

Attest:

_____(Seal)
Secretary

By: _____
Peter K. Mac Ewen
Executive Manager
And Chief Engineer

Date: August 1, 1997

ARTESIAN WATER COMPANY, INC.

Attest:

_____(Seal)
Treasurer

By: _____
Dian C. Taylor
President, CEO and
Chair of the Board

Date: August 1, 1997

2-2361

CHESTER WATER -13

VAULT COPY

INTERCONNECTION AGREEMENT

THIS AGREEMENT, made as of the 6th day of June, 1990, is by and between the CHESTER WATER AUTHORITY, a municipal authority organized and existing under the laws of the Commonwealth of Pennsylvania with its principal office at Fifth and Welsh Streets, Chester, Pennsylvania 19016 ("Chester"), and ARTESIAN WATER COMPANY, INC., a corporation organized and existing under the laws of the State of Delaware with its principal office at 666 Churchmans Road, Newark, Delaware 19702 ("Artesian").

WHEREAS, Chester owns and operates a waterworks and furnishes water service to the public and other water distributors in portions of Chester, Delaware and Lancaster Counties, Pennsylvania, and New Castle County, Delaware;

WHEREAS, Artesian owns and operates a public water utility for the supply and distribution of water in various portions of New Castle County, Delaware;

WHEREAS, Artesian desires to purchase bulk water supplies ("Supplies") from Chester for resale to its jurisdictional customers, and Chester is willing to sell such Supplies to Artesian under the terms and conditions hereinafter set forth;

WHEREAS, Artesian and Chester have obtained those regulatory approvals that are required for the delivery and sale by Chester, and the receipt and purchase by Artesian, of the Supplies as more fully set forth in (i) Resolution 89-10

of the Susquehanna River Basin Commission, dated July 13, 1989, (ii) Docket No. D-84-55CP of the Delaware River Basin Commission, dated August 4, 1989, and (iii) Water Allocation WA-275B of the Pennsylvania Department of Environmental Resources, dated August 14, 1989 (collectively, the "Supply Permits"); and

WHEREAS, the parties wish to set forth their agreement for the construction and financing of the interconnection and associated improvements by which Chester will deliver the Supplies to Artesian ("Facility") and their agreement as to delivery, receipt and payment for the Supplies;

NOW THEREFORE, in consideration of these premises and of the mutual promises and undertakings hereinafter set forth, the parties hereto, intending to be legally bound hereby, agree as follows:

ARTICLE I
The Facility

1.1 Description of the Facility. The Facility to be constructed is shown and described in Chester Drawing No. 2357, which appears as Exhibit 1.1 hereto and is incorporated herein by reference ("Plan"). The Facility shall include, but not be limited to, a booster pumping station with pumps, related equipment and appurtenances, a single 20-inch transmission main which shall be tapped into Chester's 48-inch transmission main and connected to Artesian's distribution system at the boundary line between Pennsylvania

and Delaware as shown in the Plan, and all required equipment and improvements, metering vault, meters, and associated regulators and controls.

1.2 Undertaking To Build. Subject to the terms and conditions set forth in this Agreement, Chester shall design, construct, build and install the Facility in Kennett or New Garden Townships, Chester County, Pennsylvania. Chester shall supply or arrange for the provision and/or performance of all required services, goods, materials, engineering and construction (collectively, the "Work") needed to complete the Facility in a sound and workmanlike fashion. For purposes of this Article I, the "Work" shall be deemed to include and comprise the completed design, engineering and construction required by this Agreement and the Project Documents (as hereinafter defined).

1.3 The Project Documents. The Project Documents include all drawings, specifications, contracts, subcontracts, blueprints, supplier and materialman agreements, schedules, progress schedules, change orders, budgets, requests for proposals, bid solicitations, proposals, other similar documents or agreements, and all amendments, addenda and supplements thereto, whether now existing or hereafter issued, which relate to, reflect or memorialize the Work.

1.4 Selection of Contractors and Materialmen. Chester shall provide Artesian with copies of all written documentation pertaining or relating to the selection and hiring of contractors and materialmen for the various portions of the Work including, but not limited to, requests for proposals, bid solicitations, bids, responses to bid solicitations and all other proposals or offers received by Chester for any portion of the Work. Artesian shall be given reasonable opportunity to consult with Chester in the review of such bids, responses, proposals and offers, and shall be advised of, and allowed to attend all bid openings and other meetings at which any portion of the Work will be awarded. Where the Work (or any portion thereof) is let for bid or is the subject of a request for proposals, such shall be awarded on the basis of the lowest responsible bid or proposal. Notwithstanding the foregoing, Artesian understands, acknowledges and agrees that Chester shall have final authority over the selection of contractors and materialmen for the Work, and the right to reject any one or more bids for the Work, or any portion thereof. The rights reserved to Chester under this Section 1.4 shall be exercised in good faith and on a reasonable basis, and the exercise of such rights shall not excuse Chester's obligation to proceed with, and complete the design, construction and operation of the Facility in accordance with the terms hereof (except as otherwise provided at Section 1.17).

1.5 Designs And Specifications. Copies of all designs, specifications, drawings, materials, schedules, budgets, blueprints, and engineering for the Work shall be supplied to Artesian for review and comment prior to finalization.

1.6 Supervision Of The Work. Except as otherwise provided herein, Chester shall have the right and obligation to supervise and control the Work including, but not limited to, the determination of construction means, methods, techniques, sequences and procedures; monitoring and enforcement of compliance with the Project Documents; approval and acceptance of the Work; and the review, approval and processing of applications for payment to contractors and materialmen engaged on the Work. Chester undertakes to perform these functions in a sound and prudent fashion in order to assure completion of the Work in accordance with the Project Documents at a reasonable cost.

1.7 Maintenance Of Records. Chester shall maintain full and complete records with respect to the Work and Artesian shall at all times be allowed reasonable access to, and opportunity to inspect such records.

1.8 Access To The Work. Artesian shall at all times be allowed reasonable access to, and opportunity to inspect the Work.

1.9 Enforcement Of The Project Documents. Chester shall use reasonable care under the circumstances to assure compliance with, and due performance under the Project Documents by all contractors and materialmen hired for the Work. Chester shall promptly advise Artesian of all instances of noncompliance and/or defective performance and the measures proposed by Chester in respect of actions to cure, enforcement of the Project Documents and available remedies against the responsible party.

1.10 Payments To Contractors And Materialmen. Chester shall be responsible for, and shall have authority to process and make payments to contractors and materialmen in respect of the Work. Chester shall process and make such payments only in accordance with the Project Documents. Artesian shall be promptly advised in writing of any proposed change order or other amendment to the Project Documents when and as such are approved or accepted by Chester.

1.11 Artesian Payments To Chester.

1.11.1 Artesian shall pay to Chester fifty percent (50%) of the Shared Costs of the Work (as hereinafter defined) in accordance with this Section 1.11.

1.11.2 The "Shared Costs" of the Work shall consist of the charges of contractors and

materialmen under the Project Documents (as approved and accepted by Chester in accordance with the terms hereof and of the Project Documents) for: (a) the connection to Chester's 48" transmission main; (b) the booster pumping station and appurtenant facilities; (c) an estimated 20,000 feet of transmission main to the point of interconnection with Artesian's distribution system; and (d) the metering vault at such point of interconnection.

1.11.3 Shared Costs for purposes of this Section 1.11 shall not include any direct or indirect charge, cost, expense or other allocation, however described or denominated, for any of the following: (a) Chester staff, resources and overhead; (b) engineering for the Work; (c) inspection of the Work; (d) acquisition of required rights of way, easements, fee interests or other real estate acquisition costs (including costs incurred for condemnation and takings by eminent domain, as applicable); (e) costs and fees associated with obtaining any permit or license required for the Work under federal, state or local law, statute, ordinance, regulation or other similar authority; or (f) equipment costs for the meter and related

equipment (but not to include the meter vault) at the point of interconnection.

1.11.4 Within 14 days after the end of each calendar month during which the Work is in process, Chester shall bill Artesian in arrears for fifty percent (50%) of the Shared Costs (less any applicable retainage) actually incurred and paid by Chester during the prior month. Chester's invoice to Artesian shall be accompanied and supported by documented proof of the invoiced amounts and the prior payment of such amounts by Chester in accordance with the Project Documents. Artesian's payment of the invoiced charges shall be remitted to Chester within 14 days following receipt.

1.11.5 Chester's records of costs incurred in connection with, and payments made on account of the Work shall be available to Artesian for review and audit at all times, upon reasonable request.

1.11.6 Artesian's aggregate payments to Chester on account of Shared Costs under this Section 1.11 shall in no event exceed the total sum of One Million Five Hundred Thousand ($1.5 million) Dollars. Chester shall absorb and shall be solely responsible for the payment of any remaining Shared Costs, and no charge on account thereof shall be made to Artesian.

1.12 Delaware Improvements. This Agreement does not govern nor shall it be construed to include the distribution system improvements to be designed and constructed by Artesian within the State of Delaware ("Delaware Improvements") for interconnection with the Facility. Artesian shall be solely responsible for the Delaware Improvements and all costs and charges incurred in connection therewith. The cost of connecting the Facility to the Delaware Improvements shall be included in the Shared Costs for purposes of Section 1.11, subject however to the excluded equipment costs (to be absorbed by Chester alone) described at Section 1.11.3(f).

1.13 Option Agreement. Artesian shall assign or cause to be assigned to Chester all its right, title and interest in, to and under that certain Option Agreement by and between Artesian Water Company and Hartefeld, L.P., dated September 21, 1983, as amended by an Addendum To Option Agreement, dated September 18, 1986, true, complete and correct copies of which appear at Exhibit 1.13 hereto and are incorporated herein by reference (collectively, the "Option"). At its sole cost and expense, Chester shall accept, hold and exercise the Option for the purpose of acquiring necessary easement rights for construction of the Facility. Artesian acknowledges that the Option continues to be valid and binding and has not been terminated by either party thereto.

1.14 Booster Station Site. At its sole cost and expense, Chester shall acquire a suitable parcel of land in Kennett or New Garden Township for the construction of the booster pumping station to be made a part of the Facility and will exercise its powers of condemnation and eminent domain as necessary or desirable for this purpose.

1.15 Engineering Services. At its sole cost and expense, Chester shall provide or arrange for the securing of all necessary engineering design services, studies, surveys, preparation of plans, drawing and technical specifications, construction inspection services, contract administration and other additional engineering services as may be required for purposes of the Work.

1.16 Permits And Licenses. At its sole cost and expense, Chester shall obtain any permits, licenses or other authorizations required under any federal, state or local law, statute, rule, regulation, ordinance or other authority for the Work.

1.17 Project Budget And Schedule. The parties recognize that the total costs of the Work (including both the Shared Costs and also those costs for which Chester is solely responsible) are not presently determinable, and have proceeded on the assumption that such costs shall total

approximately Three Million ($3.0 million) Dollars. The parties mutually agree and undertake to use their best efforts to minimize the costs of the Work consistent with their commitment to secure completion of the Facility on a timely basis in accordance with the Project Documents. To this end, Chester shall regularly prepare and submit to Artesian a Project Budget and schedule for completion of the Work, in form reasonably acceptable to Artesian and in accord with accepted construction management practices for similar projects. The Project Budget and schedule shall be updated for any material change encountered in the course of the Work, and in any event shall issue on not less than a quarterly basis. If at the time of bid opening for the Work needed to complete the Facility, the cost to complete the Facility exceeds $3.9 million, Chester shall have the right to reject all bids and terminate this Agreement by written notice to Artesian and in such event this Agreement shall become null and void and neither party hereto shall have any further obligation and liability hereunder to the other.

1.18 Ownership of the Facility. Notwithstanding Artesian's payments to Chester for construction of the Facility as provided herein, Chester shall own the Facility and shall have all right, title and interest thereto.

1.19 Maintenance of the Facility. Following completion of the Facility, it shall be Chester's responsibility to maintain and repair the Facility.

ARTICLE II
Interconnection Deliveries

2.1 Sale And Purchase Of Supplies. In accordance with this Article II, Chester shall deliver and sell, and Artesian shall receive and purchase the Supplies through the Facility.

2.2 Commencement. Chester's deliveries and Artesian's purchases of the Supplies (as described at Section 2.3 hereof) shall commence for an initial one-year term ("Initial Term") on the first day of the month next following the date on which the Facility is completed, connected with the Delaware Improvements and placed into commercial operation. Chester's deliveries and Artesian's purchases of the Supplies shall thereafter continue for successive one-year renewal terms ("Renewal Terms") through the date on which this Agreement expires or otherwise is terminated. Each successive Renewal Term shall automatically commence upon the expiration of the preceding Initial or Renewal Term, as applicable.

2.3 Monthly Supply/Purchase Obligations. Subject to the terms and conditions of this Article II, Chester shall

deliver and Artesian shall purchase Supplies in the following described quantities (millions of gallons or "MG") for the Initial Term and the Renewal Terms indicated below:

Term	Monthly Delivery (MG)
Initial	58.3
2d	75.0
3d	91.6
4th	108.3
5th And Subsequent Renewal Terms	121.6

2.4 Peak Supply Capacity. Subject to compliance with the Supply Permits (under which deliveries to Artesian may not exceed 4.0 million gallons per day ["MGD"] based on a thirty-day average), and subject also to the terms of this Article II (including, but not limited to, the monthly supply/purchase obligations specified in Section 2.3 above), Artesian shall have the right to take, and Chester shall be obligated to deliver the Supplies in amounts up to, but not exceeding, the following maximum daily deliveries during the Initial Term and the Renewal Terms:

Term	Maximum Daily Delivery (MG)
Initial	3.0
2d	3.8
3d	4.5
4th	5.5
5th And Subsequent Renewal Terms	6.0

2.5 Regulatory Permits. The parties' respective obligations to deliver and purchase the Supplies under this Article II are subject to and conditioned upon continued regulatory approval of those governmental agencies having jurisdiction. It is expressly understood, acknowledged and agreed that the continued delivery and purchase of the Supplies is conditioned upon and subject to the Supply Permits. Should any of the Supply Permits be modified, terminated, rescinded or otherwise materially changed so as to reduce, prohibit or condition (in a manner unacceptable to either of the parties) the continued delivery and purchase of the Supplies, then Chester's obligation to deliver and Artesian's obligation to purchase under this Article II shall be excused or, if volumes under the Supply Permits are reduced, such obligations shall likewise be reduced.

2.6 Delivery Curtailments. If at any time Chester finds that it is necessary to curtail deliveries to other utilities within Chester's service area, the Supplies to be delivered to Artesian may likewise be curtailed, but only in the same proportion and to the same extent and in common with all other utilities purchasing water from Chester. Chester's minimum delivery obligation and Artesian's minimum purchase obligation shall be ratably adjusted on an equitable basis as necessary to reflect the impact of curtailments under this Section 2.6.

2.7 Force Majeure. If either Chester's ability to deliver or Artesian's ability to receive the Supplies is interrupted or impaired, in whole or in part, due to failure of equipment or facilities, leaks, required repairs to facilities, strikes, Acts of God, or other extraordinary circumstances, occurrences or conditions beyond the parties'control, then during the period of such interruption or impairment, the minimum delivery and purchase obligations described herein shall be suspended proportionately. Artesian specifically acknowledges, understands and agrees that Chester's obligation to deliver the Supplies requires only the exercise of ordinary and reasonable care under the circumstances to maintain the Supplies and have such available for delivery hereunder, and that Chester shall not be liable to Artesian for any interruption of, or curtailment in the Supplies caused by circumstances beyond its control. Chester shall, however, notify Artesian immediately when any interruption or curtailment in delivery of the Supplies is experienced or anticipated.

2.8 Water Pressure At Interconnection. Water pressure at the interconnection is anticipated to be approximately fifty-five (55) pounds per square inch (psi), but Chester offers no guarantee other than to provide reasonable pressure under the circumstances.

2.9 Meter Readings and Tests. Chester, at its expense, shall test the interconnection meter at least annually with the results thereof provided to Artesian. Upon request, a representative of Artesian may witness the meter test. The cost of any meter tests performed at the request of Artesian, other than the annual test, shall be paid by Artesian. If the meter is found to register inaccurately beyond a range of tolerance of three percent (3%), an adjustment shall be made to the bills rendered for service through the interconnection for the period equal to one-half (1/2) the time elapsed since the last previous meter test.

2.10 Charges And Billing Procedures.

2.10.1 For billing purposes, the interconnection meter shall be read monthly by Chester, and Chester shall bill Artesian in arrears based on the greater of (i) volumes delivered, or (ii) the agreed minimum purchases for the period as shown at Section 2.3 hereof. Payment of the invoiced amount, less any applicable discount for prompt payment, shall be remitted by Artesian, as due, in accordance with Chester's then current tariff, rules and regulations.

2.10.2 Within sixty days following the expiration of each of the first five annual terms of this Agreement as described at Section 2.2 above,

Chester shall refund to Artesian an amount equal to ten percent (10%) of the gross charges billed to Artesian under Section 2.10.1. In no event shall the aggregate amount of refunds under this Section 2.10.2 exceed the total amount of Artesian's payments to Chester for the Shared Costs of the Facility under Article I hereof.

2.10.3 Chester's bill to Artesian under Section 2.10.1 for any month in which Artesian has purchased volumes in excess of the applicable minimum purchase commitment shown at Section 2.3 hereof ("Excess Purchases") shall reflect a credit equal in amount to the Minimum Purchase Charges, if any, billed to Artesian for service during the prior monthly billing period; provided, however, that the credit shall not exceed the amount which otherwise would be currently payable by Artesian for the Excess Purchases. For purposes of this Section 2.10.3, the term "Minimum Purchase Charges" shall mean amounts billed to Artesian for any shortage in volumes taken during the prior monthly billing period as compared with the applicable minimum purchase obligation for that period under Section 2.3.

2.11. Water Quality. Chester warrants that the Supplies furnished hereunder shall be potable and in compliance with all applicable federal and Commonwealth of Pennsylvania legislation and regulations in effect at the time the Supplies are delivered to Artesian (collectively, the "Water Quality Laws"). Chester shall immediately notify Artesian of any experienced or anticipated change in the condition or characteristics of the Supplies which would: (i) cause the Supplies to deviate from, or otherwise fail to comply with the Water Quality Laws; (ii) cause the Supplies to deviate from, or otherwise fail to comply with the Delaware Standards (as hereinafter defined); (iii) require disclosure to regulatory agencies having jurisdiction, Artesian's customers and/or the public in general pursuant to either the Water Quality Laws or the Delaware Standards; and/or (iv) result in a noticeable difference in the odor, taste or other quality of the Supplies. For purposes of this Section 2.11, the "Delaware Standards" shall mean all legislation and regulations of the State of Delaware, or any governmental agencies thereof, pertaining to water quality which are in effect at the time the Supplies are delivered to Artesian. Chester's obligation under this Section 2.11 to give notice to Artesian in respect of matters involving the Delaware Standards shall apply only if, and to the extent that Artesian previously provided Chester with copies of such standards.

2.12 . Artesian Deliveries To Chester. Upon Chester's request to satisfy emergency conditions, Artesian shall make available for sale to Chester through the Facility up to one million gallons of water per day at Artesian's then current and regular tariff rates, rules and regulations. Artesian's undertaking to supply bulk water to Chester under this Section 2.12 shall in all events be conditioned upon and subject to Artesian's judgment that delivery of such supplies will not impair Artesian's ability to safely meet the requirements of its jurisdictional customers in the State of Delaware. The provisions of Sections 2.5 and 2.7 hereof also shall apply to Artesian's supply obligation under this Section 2.12.

2.13 Rate Changes. During the term hereof, Chester shall provide Artesian with prior written notice of any plan, filing or proceeding to consider changes in Chester's then current tariff rates, rate structure and/or rules, regulations or other standards for service.

2.14 Term. The parties' obligations under this Article II shall commence as provided at Section 2.2 above and shall continue through December 31, 2002, except as otherwise provided at Section 2.5. At Artesian's sole option and request, Chester shall take such actions as may reasonably be required in support of one or more applications to extend the

term of, and/or seek an increase in the volumetric limitations prescribed by the Supply Permits (but in no event to exceed 6 MGD on an annual average). If the Supply Permits are extended for a further period beyond December 31, 2002, then Artesian shall have the option of renewing the parties' agreements under this Article II for successive one-year Renewal Terms during such further period. Unless the parties otherwise agree, the annual supply and purchase obligation for each such additional Renewal Term shall be 1,460 MG, or such lesser amount as may be allowed under the Supply Permits, as extended.*

ARTICLE III
Miscellaneous

3.1 Condition Subsequent. The parties' respective rights and obligations hereunder are conditioned upon and subject to the receipt by Chester of: (a) all necessary rights-of-way, easements, fee interests or other real estate for the construction and operation of the Facility; (b) all necessary, final and unappealable zoning, subdivision and land development approvals; and (c) any and all permits and licenses required by federal, state and local governments or agencies thereof to permit the construction and operation of the Facility. Chester shall use its best efforts to apply for and obtain all necessary rights-of-way, easements and fee interests, and all required approvals, permits and licenses

*Artesian's right to extend the parties' agreement for successive one year Renewal Terms beyond December 31, 2002 shall be subject to Chester's right to terminate this Agreement at the end of each Renewal Term beyond December 31, 2002

at the earliest time practicable under the circumstances. If the Facility cannot be completed or operated due to Chester's inability to secure any of the items described in this Section 3.1, Chester shall refund to Artesian those payments, if any, previously made by Artesian under Section 1.11 hereof.

3.2 Successors And Assigns. This Agreement shall be binding upon and shall inure to the benefit of the parties' respective successors and permitted assigns.

3.3 Authority And Binding Effect. Chester and Artesian each represent, warrant and affirm to the other: (a) their authority and power to enter into this Agreement and to make, perform and carry into effect their respective commitments, obligations and undertakings as set forth herein; (b) their authority to enter into and perform each of the transactions contemplated hereby; (c) that all consents and authorizations requisite to their execution of this Agreement and performance hereunder have been obtained; (d) that this Agreement, the transactions contemplated hereby and the parties' performance hereunder will not violate any federal, state or local law, statute, regulation, rule, ordinance, tariff term or other similar authority applicable to either of them; and (e) when executed, the Agreement shall

constitute a valid and binding obligation, enforceable by each party against the other in accordance with its terms.

3.4 Consent To Assignment. The parties' respective rights and obligations hereunder shall not be assignable or delegable without the prior written consent of the other.

3.5 Amendment. This Agreement may be amended only by written instrument, signed by the party to be bound.

3.6 Entire Agreement. This Agreement embodies the entire agreement between the parties with reference to the subject matter hereof, and there are no agreements, understandings, conditions, warranties or representations, oral or written, expressed or implied, with reference to the subject matter hereof that are not merged in this Agreement or superseded hereby.

3.7 Terms Severable. Should any term of this Agreement be held invalid or unenforceable, such determination shall not render the remaining terms of this Agreement invalid or unenforceable unless to do so would cause the Agreement to fail of an essential purpose.

3.8 Notices. Any notices required or permitted to be given hereunder shall be in writing, shall be effective upon

receipt (unless otherwise provided herein), and shall be delivered by facsimile transmission or by United States mail, first-class postage prepaid, addressed to the parties as follows:

If to Artesian:

President
Artesian Water Company, Inc.
P.O. Box 15004
Wilmington, DE 19850
FAX (302) 453-6958

If to Chester:

Executive Manager
Chester Water Authority
P.O. Box 467
Fifth and Welsh Streets
Chester, PA 19016
FAX (215) 876-2501

3.9 Titles. The titles appearing herein have been inserted for convenience of reference only and shall not be deemed a part hereof or considered in construing the parties' rights and obligations hereunder.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed and delivered, and their respective corporate seals to be hereunto affixed by their duly authorized officers, as of the day and year first written above.

(Seal)

Attest _____
Secretary

CHESTER WATER AUTHORITY

By _____
Executive Manager and
Chief Engineer

ARTESIAN WATER
COMPANY, INC.

(Seal)

Attest _____
Secretary

By _____
Senior Vice President

COMMONWEALTH OF PENNSYLVANIA)

) ss:

DELAWARE COUNTY)

On this, the 6th day of June 1990, A.D. 1990, before me, the undersigned officer, a Notary Public in and for the State and County aforesaid, personally appeared Ruth K. MacEwen, who acknowledged himself to be Deputy Manager - Chief Engineer of CHESTER WATER AUTHORITY, a municipal authority organized and existing under laws of the Commonwealth of Pennsylvania, and that he, as such officer, being authorized to do so, executed the foregoing instrument, for the purposes therein contained, by signing the name of such municipal authority, by himself as such officer.

IN WITNESS WHEREOF, I have hereunto set my had and official seal.

Sandra L Hunt
Notary Public

NOTARIAL SEAL
SANDRA L. HUNT, NOTARY PUBLIC
CHESTER, DELAWARE COUNTY
MY COMMISSION EXPIRES JULY 18, 1990
Member, Pennsylvania Association of Notaries

STATE OF DELAWARE)
) ss:
NEW CASTLE COUNTY)

On this, the 6TH day of JUNE 1990, A.D. 1990, before me, a Notary Public in and for the State and County aforesaid, personally appeared PETER N JOHNSON, who acknowledged himself to be SENIOR VICE PRESIDENT of ARTESIAN WATER COMPANY, INC., a corporation organized and existing under laws of the State of Delaware, and that he, as such officer, being authorized to do so, executed the foregoing instrument, for the purposes therein contained, by signing the name of such corporation, by himself as such officer.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

Samuel W. Baker

Notary Public

Exhibit III-8

ARTESIAN WATER COMPANY, INC.
Standpipes and Elevated Tanks

LOCATION	TYPE	BASE ELEVATION	OVERFLOW ELEVATION	ALTITUDE VALVE	DIMENSIONS-FT DIA.	DIMENSIONS-FT HGT.	CAPACITY TOTAL	GALLONS ACTIVE (1)	RESERVE (2)	SUM EFFECTIVE CAPACITY (3)
Service Level 1										
BEAR TANK	STNDP	83.65	186	YES	93	106.5	5,396,000	1,920,000	605,000	
CLEARVIEW	ELEV	68	186.17	YES	56	35	600,000	600,000	0	
GLASGOW	ELEV	60.6	186	YES	74	40	1,000,000	1,000,000	0	
RED LION	ELEV	82.5	186	YES	100	40	2,000,000	2,000,000	0	
SCHOOL LANE	RES	69	119.75	YES	82	50.7	2,000,000	1,750,000	0	7,875,000
Service Level 2										
COOPER FARM #1	RES	180.36	248.36	YES	90	68	3,000,000	920,000	508,000	
COOPER FARM #2	STNDP	180.36	248.36	YES	42	68	660,000	202,000	112,000	
CROW HILL TANK	RES	205	245	YES	130	40	3,972,000	1,737,000	1,142,000	
TUXEDO PARK #1	RES	47	82	NO	70	35	1,000,000	900,000	0	
TUXEDO PARK #2	RES	47	71	NO	60	24	500,000	450,000	0	
TYBROOK #1	RES	192.36	248.36	NO	96	56	3,000,000	1,117,000	616,000	
TYBROOK #2	RES	192.36	248.36	NO	60	56	1,184,000	441,000	243,000	
TYBROOK #3	STNDP	192.36	248.36	NO	20	56	110,000	41,000	22,000	
WILLOW RUN	ELEV	116	246	YES	74	40	1,000,000	1,000,000	0	
										9,451,000
Service Level 3										
PIKE CREEK	RES	335	395	YES	106	60	4,000,000	2,500,00	766,000	
SHERWOOD PARK II	ELEV	183	318	YES	34	29.5	150,000	150,000	0	3,416,000
Service Level 4										
NORTH STAR	ELEV	339.5	457.75	YES	36	28	200,000	200,000	0	
OLD WILM. ROAD	RES	405	461	YES	60	56	1,187,000	710,000	243,000	
STENNING WOODS	RES	389	460	YES	98	71	4,000,000	4,000,000	0	
										5,153,000
Service Level 5										
OLD WILM. ROAD	ELEV	405	563	NO	29.5	29.5	150,000	150,000	0	150,000
						TOTALS	**35,109,000**	**19,288,000**	**4,257,000**	**26,045,000**

Notes:
(1) Active Capacity Storage will provide a minimum 25 psi to the highest ground elevation it services.
(2) Reserve Capacity is additional storage available between 25 and 20 psi for emergency use.
(3) The sum of active and reserve capacities.

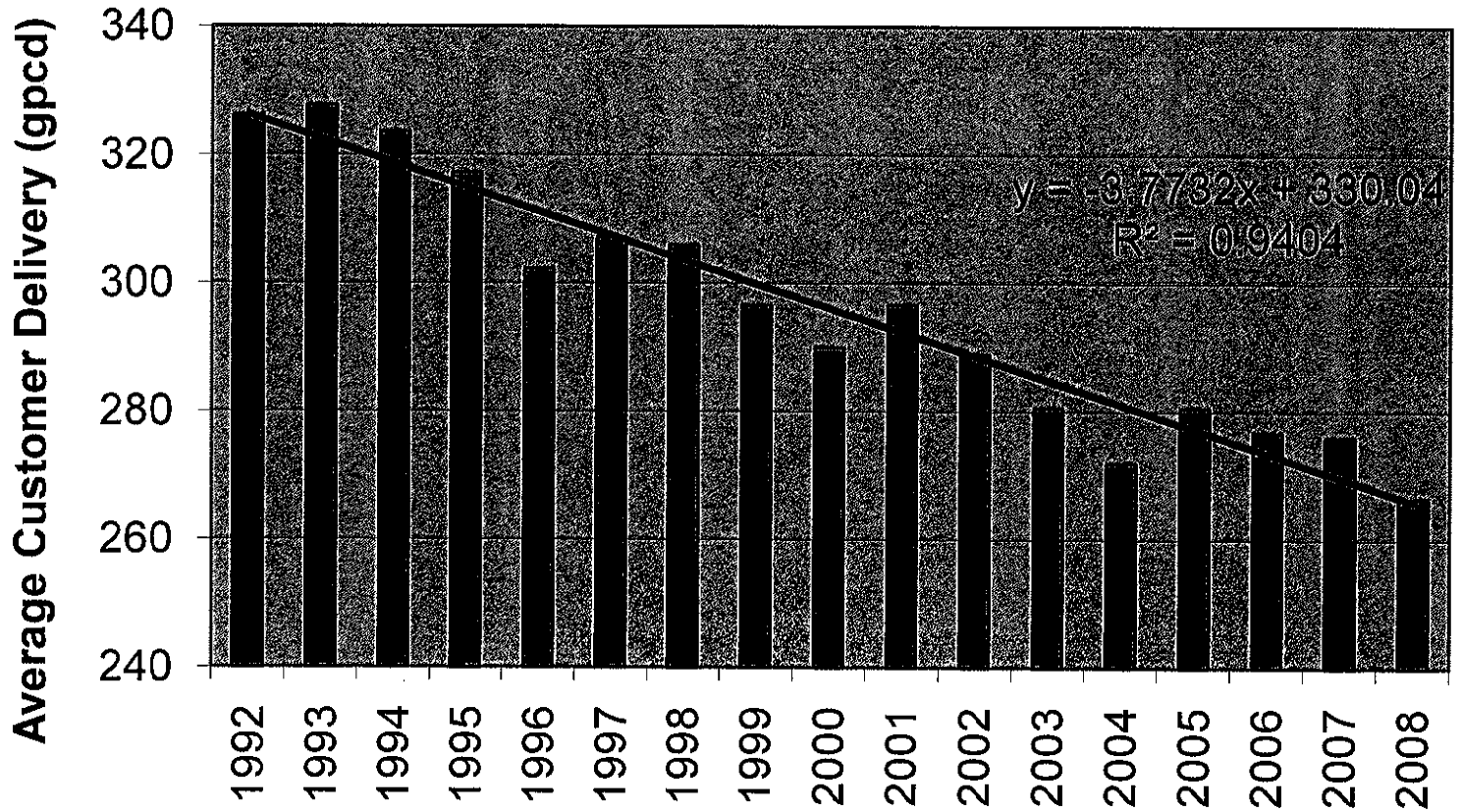
ELEV = Elevated
HORIZ=Horizontal
RES = Reservoir
STNDP = Standpipe

Exhibit III-9

SUMMARY OF HISTORIC SYSTEM DELIVERY
Northern New Castle County

		Annual Delivery				Maximum Month Delivery		
YEAR	# Customers	Total MG	Average MGD	Percent Increase	gpcd	Total MG	Average MGD	MaxMo/Avg Ratio
1981	36,449	4140	11.34		311.19			
1982	36,846	4236	11.61	2.3%	314.97	399.51	12.89	1.11
1983	37,596	4333	11.87	2.3%	315.76	421.02	13.58	1.14
1984	38,533	4379	11.96	0.8%	310.50	392.77	12.67	1.06
1985	39,768	4537	12.43	3.9%	312.57	403.90	13.03	1.05
1986	41,120	4928	13.50	8.6%	328.34	485.79	16.19	1.20
1987	43,246	5041	13.81	2.3%	319.36	482.34	15.56	1.13
1988	45,532	5422	14.81	7.3%	325.36	537.26	17.91	1.21
1989	47,735	5602	15.35	3.6%	321.52	507.54	16.92	1.10
1990	49,568	5641	15.45	0.7%	311.79	533.82	17.79	1.15
1991	50,865	6043	16.56	7.1%	325.49	614.58	20.49	1.24
1992	52,014	6208	16.96	2.4%	326.08	606.95	19.58	1.15
1993	53,599	6409	17.56	3.5%	327.60	647.19	20.88	1.19
1994	55,096	6506	17.82	1.5%	323.52	676.12	21.81	1.22
1995	56,663	6560	17.97	0.8%	317.18	654.76	21.83	1.21
1996	57,879	6402	17.49	-2.7%	302.21	562.08	18.13	1.04
1997	59,112	6626	18.15	3.8%	307.10	707.37	22.82	1.26
1998	60,045	6705	18.37	1.2%	305.93	672.20	21.68	1.18
1999	61,502	6657	18.24	-0.7%	296.55	709.55	22.89	1.25
2000	62,550	6637	18.13	-0.6%	289.91	615.06	19.84	1.09
2001	63,298	6853	18.78	3.5%	296.62	665.69	21.47	1.14
2002	64,268	6776	18.56	-1.1%	288.85	672.42	21.69	1.17
2003	65,025	6658	18.24	-1.7%	280.52	625.16	20.17	1.11
2004	65,556	6523	17.82	-2.3%	271.88	598.06	19.29	1.08
2005	66,272	6785	18.59	4.3%	280.51	637.59	20.57	1.11
2006	66,720	6738	18.46	-0.7%	276.68	683.06	22.03	1.19
2007	66,969	6743	18.47	0.1%	275.86	631.79	20.38	1.10
2008	66,971	6529	17.84	-3.4%	266.37	620.45	20.01	1.12

Exhibit III-10
Customer Delivery-
Northern New Castle County



February 23, 2009

Bruce Burcat, Executive Director
Delaware Public Service Commission
861 Silver Lake Plaza
Cannon Building, Suite 100
Dover, Delaware 19904

Dear Mr. Burcat:

According to Chapter 14, the Delaware Self-Sufficient Water Supply Act, on or before March 1 of each reporting year, the WSCC shall determine, publish, and transmit to the Public Service Commission projected water demands for each water utility for each reporting period.

As alternate chair of the Water Supply Coordinating Council (WSCC), I hereby submit to you the updated supply and demand projections for the water systems in northern New Castle County for the reporting period of 2009-2012.

The WSCC's self-sufficiency subcommittee met at the offices of the University of Delaware Water Resources Agency on February 12, 2009 and agreed to the following methodology for these projections. The maximum monthly demand recorded by each utility during the five year period of 2004 through 2008 would be used to determine projected demands in the base year of 2009. Water demands were then projected to 2012 based on 0.17% per year increase in population forecast for northern New Castle County by the Delaware Population Consortium.

The enclosed Tables 1 – 5 providing the support documentation used to develop Table 6, which summarizes the projections. Also presented in Table 6 is the resulting water supply surplus. The surplus now totals 25 million gallons per day, substantially above that of the previous demand projections submitted to your office in 2006. This surplus extended over the drought design period of 90 days equals more than two billion gallons. This reflects the continued exemplary efforts of the water utilities to develop new supplies, increasing the region's water self-sufficiency.

February 23, 2009

At the February 20, 2009 Water Supply Coordinating Council meeting, the WSCC voted to approve the water projections and recommended forwarding the projections to the Public Service Commission. I trust this will facilitate your conduct of the certifications of the jurisdictional water utilities.

Sincerely,

Katherine Bunting-Howarth, J.D., PhD.
Director

Enclosures

cc: Stewart Lovell

Table 1 Maximum monthly water demands recorded in northern New Castle County

Purveyor	*2001*	*2002*	*2003*	*2004*	*2005*	*2006*	*2007*	*2008*	*2005 base demand*	*2010 projected demand*	*2020 projected demand*
City of Wilmington	29.1	25.5	23.8	25.1	26.4	23.7	21.4	21.1	28.6	29.1	29.6
Artesian Water Co.	21.6	23.0	20.2	20.9	21.6	22.8	21.8	22.1	23.0	23.4	23.8
United Water Del.	24.0	25.1	22.9	22.0	25.4*	24.4*	23.3	21.7	23.3	23.7	24.1
City of Newark	4.8	4.3	4.0	3.6	4.1	4.4	4.1	4.1	4.8	4.9	5.0
New Castle MSC	0.7	1.1	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.8
subtotal	80.2	79.0	71.2	69.1	77.7	77.0	71.1	69.5	80.2	81.7	83.3
- interconnnections	- 2.7	- 3.5	- 1.7	- 1.3	- 0.9	-1.7	-0.3	0.0			
Total (mgd)	77.5	75.5	69.5	67.8	76.8	75.3	70.8	69.5	80.2	81.7	83.3

* UWD demands are readjusted based on corrected CWA interconnections and industry closures.

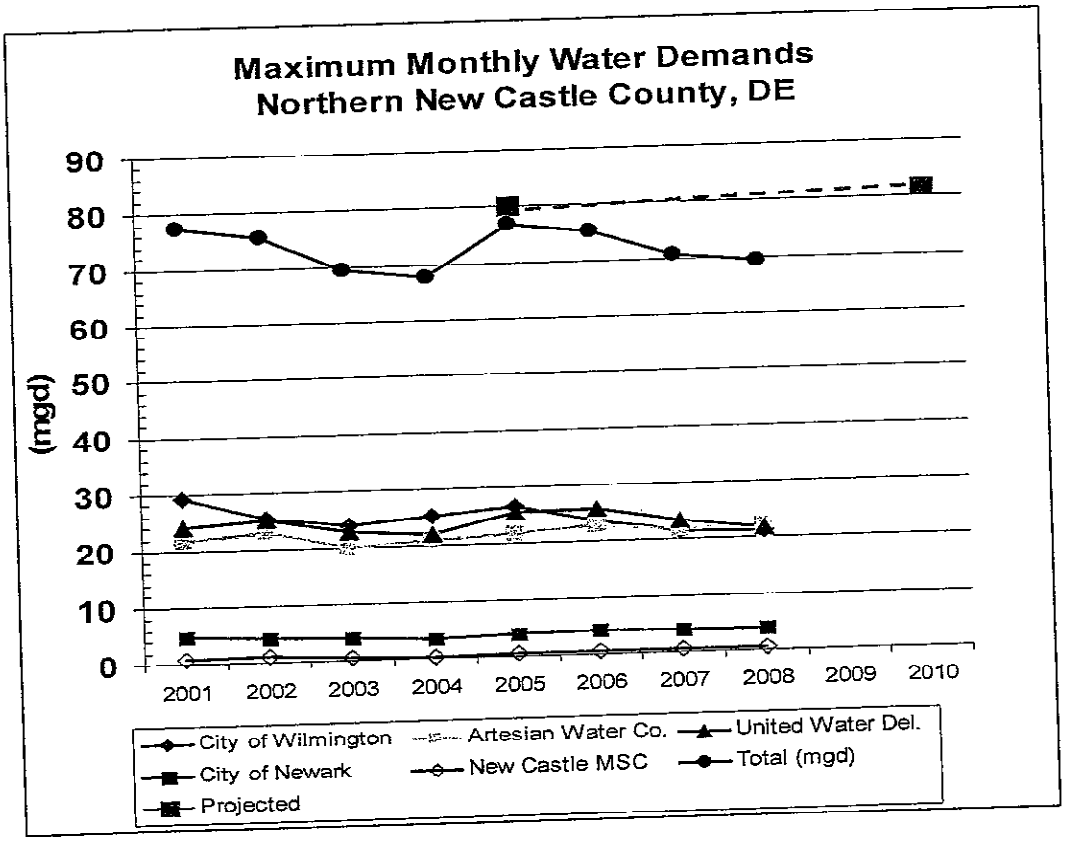


Table 2 Updated water supply and demand projections for northern New Castle County (Jan 2009)

Year/Scenario	*Supply (mgd)*	*Demand (mgd)*	*Surplus / Deficit*	
			mgd	*mg**
2005				
1. Existing: No 7Q10 passby on Brandywine Creek at Wilmington. 7Q10 passby on White Clay Creek at Newark.	100.5	80.2	20.3	1,522
2. Future: 7Q10 passby along Brandywine Creek and along White Clay Creek at Newark.	91.0	80.2	10.8	810
2010				
1. Existing: No 7Q10 passby on Brandywine Creek at Wilmington. 7Q10 passby on White Clay Creek at Newark	103.5	81.7	21.8	1,635
2. Future: 7Q10 passby along Brandywine Creek and along White Clay Creek at Newark.	94.0	81.7	12.3	922
2020				
1. Existing: No 7Q10 passby on Brandywine Creek at Wilmington. 7Q10 passby on White Clay Creek at Newark.	103.5	83.3	20.2	1,515
2. Future: 7Q10 passby along Brandywine Creek and along White Clay Creek at Newark.	94.0	83.3	10.7	802

* Volume calculated assuming a 75-day drought period. 7Q10 passby flow along the Brandywine Creek at Wilmington = 49 mgd. 7Q10 passby flow along the White Clay Creek at Newark = 14 mgd.

Table 3 Scenario 1: Existing regulatory condition as of Jan 2009
No 7Q10 instream flow standard along the Brandywine Creek at Wilmington. Instream standard with minimum flow depth and chloride provisions in effect along the White Clay Creek at Stanton and 7Q10 instream flow standard in effect at Newark.
Maximum monthly demands recorded as of Jan 2009.

Purveyor	*2005*			*2010*			*2020*		
	Supply	*Max Monthly Demand*	*Surplus/ Deficit +/-*	*Supply*	*Max Monthly Demand*	*Surplus/ Deficit +/-*	*Supply*	*Max Monthly Demand*	*Surplus/ Deficit +/-*
Artesian	29.0	23.0	6.0	29.0	23.4	5.6	29.0	23.8	5.2
Groundwater	24.3			24.3			24.3		
CWA Interconn.	3.0			3.0			3.0		
ASR wells	1.7			1.7			1.7		
United Water DE	25.8	23.3	2.5	26.8	23.7	3.1	26.8	24.1	1.7
Stanton WTP	19.3			19.3			19.3		
Hoopes Contract	2.7			2.7			2.7		
Christiana WTP	3.0			3.0			3.0		
ASR well				1.0			1.0		
CWA Interconn.	0.8			0.8			0.8		
Wilmington	36.3	28.6	7.7	38.3	29.1	9.2	38.3	29.6	8.7
Brandywine Creek	15.0			15.0			15.0		
Hoopes Reservoir	21.3			21.3			21.3		

Raise Hoopes Res.				2.0			2.0		
Newark	7.8	4.8	3.0	7.8	4.9	2.9	7.8	5.0	3.8
White Clay WTP	0.0			0.0			0.0		
Newark Reservoir	4.0			4.0			4.0		
Groundwater	3.8			3.8			3.8		
New Castle MSC	1.6	0.5	1.1	1.6	0.6	1.0	1.6	0.8	0.8
SUBTOTAL	100.5	80.2	20.3	103.5	81.7	21.8	103.5	83.3	20.2

Water supply available during drought of record conditions (75 days) with existing regulatory condition:

- No minimum instream flow standards in effect along the Brandywine Creek at Wilmington.
- Minimum depth flow standard in effect along White Clay Creek at Stanton, 7Q10 passby in effect on White Clay Creek at Newark (14 mgd). The 7Q10 flow is the low flow likely to occur for 7 days in a row once every 10 years.
- Groundwater supplies permitted by DNREC allocation permit as per drought of record (2002) conditions.
- Transfers from Chester Water Authority are accounted for as per Delaware Water Supply Self Sufficiency Act of 2003.
- Useable capacity Hoopes Reservoir = 1800 mg over 75 days (24 mgd). Raise reservoir 2 ft. provides additional 150 mg (2 mgd).
- Useable capacity Newark Reservoir = 300 mg over 75 days (4 mgd).
- Drought of record low streamflows observed during 2002 drought: Brandywine Creek = 21 mgd (8/21/02), White Clay Cr. at Stanton (w/o Hoopes Reservoir Releases) = 6.8 mgd (8/15/02).
- Maximum monthly demands recorded by water purveyors as of 2005, projected out to 2020 at rate similar to Delaware Population Consortium projections. Population increase 3 percent in northern New Castle County from 2005 to 2020.
- UWD Tidal Capture Structure provides 14 mgd plus 5.3 mgd from incoming tide 18 hours per day providing one foot minimum depth in creek. Hoopes Reservoir release reduces chlorides below 250 ppm at TCS during low flow (< 17 mgd). Contract with Wilmington provides up to 200 mg from Hoopes Reservoir to UWD or 2.7 mgd average over 75-day drought.

Table 4 Scenario 2: Future regulatory condition
(hypothetical most conservative scenario)
7Q10 instream flow standard in effect on the Brandywine Creek at Wilmington. Instream standard with minimum flow depth and chloride provisions in effect along the White Clay Creek at Stanton and 7Q10 standard in effect at Newark.
Maximum monthly demands recorded as of Jan 2009.

Purveyor	*2005*			*2010*			*2020*		
	Supply	*Max Monthly Demand*	*Surplus/ Deficit +/-*	*Supply*	*Max Monthly Demand*	*Surplus/ Deficit +/-*	*Supply*	*Max Monthly Demand*	*Surplus/ Deficit +/-*
Artesian	29.0	23.0	6.0	29.0	23.4	5.6	29.0	23.8	5.2
Groundwater	24.3			24.3			24.3		
CWA Interconn.	3.0			3.0			3.0		
ASR	1.7			1.7			1.7		
United Water DE	23.1	23.3	- 0.2	24.1	23.7	0.4	24.1	24.1	0.0
Stanton WTP	19.3			19.3			19.3		
Hoopes Contract	0.0			0.0			0.0		
Christina WTP	3.0			3.0			3.0		
ASR				1.0			1.0		
CWA Interconn.	0.8			0.8			0.8		
Wilmington	29.5	28.6	0.9	31.5	29.1	2.4	31.5	29.6	1.9
Brandywine Creek	5.5			5.5			5.5		
Hoopes Reservoir	24.0			24.0			24.0		
Raise Hoopes Res.				2.0			2.0		
Newark	7.8	4.8	3.0	7.8	4.9	2.9	7.8	5.0	2.8
White Clay WTP	0.0			0.0			0.0		

Newark Reservoir	4.0			4.0			4.0		
Groundwater	3.8			3.8			3.8		
New Castle MSC	1.6	0.5	1.1	1.6	0.6	1.0	1.6	0.8	0.8
SUBTOTAL	91.0	80.2	10.8	94.0	81.7	12.3	94.0	83.3	10.7

Water supply available during drought of record conditions (75 days) with existing regulatory condition:

- 7Q10 minimum instream flow standard in effect along the Brandywine Creek at Wilmington (49 mgd).
- Minimum depth flow standard in effect along White Clay Creek at Stanton, 7Q10 passby in effect on White Clay Creek at Newark (14mgd). The 7Q10 flow is the low flow likely to occur for 7 days in a row once every 10 years.
- Groundwater supplies permitted by DNREC allocation permit as per drought of record (2002) conditions.
- Transfers from Chester Water Authority are accounted for as per Delaware Water Supply Self Sufficiency Act of 2003.
- Useable capacity Hoopes Reservoir = 1800 mg over 75 days (24 mgd). Raise reservoir 2 ft. provides additional 150 mg (2 mgd)
- Useable capacity Newark Reservoir = 300 mg over 75 days (4 mgd).
- Drought of record low streamflows observed during 2002 drought: Brandywine Creek = 21 mgd (8/21/02), White Clay Cr. at Stanton (w/o Hoopes Reservoir Releases) = 6.8 mgd (8/15/02).
- Maximum monthly demands recorded by water purveyors as of 2005, projected out to 2020 at rate similar to Delaware Population Consortium projections. Population increase 3 percent in northern New Castle County from 2005 to 2020.
- UWD Tidal Capture Structure provides 14 mgd plus 5.3 mgd from incoming tide 18 hours per day providing one foot minimum depth in creek. Hoopes Reservoir release reduces chlorides below 250 ppm at TCS during low flow (< 17 mgd). Contract with Wilmington provides up to 200 mg from Hoopes Reservoir to UWD or 2.7 mgd average over 75-day drought.

Table 5 Maximum monthly water demands for northern New Castle County (1999-2008)

Purveyor	*1999*	*2001*	*2002*	*2003*	*2004*	*2005*	*2006*	*2007*	*2008*
June (mgd)									
City of Wilmington		26.2	24.3	21.5	23.0	25.0	18.7	21.4	19.7
Artesian Water Co.		20.5	20.9	18.5	20.9	21.6	20.0	21.8	20.6
United Water Del.		21.9	24.3	22.5	21.2	24.0	22.1	23.3	21.2
City of Newark		3.8	4.1	3.5	3.5	4.0	3.9	4.0	3.8
New Castle MSC		0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
Subtotal		72.7	74	66.4	69.1	74.9	65.2	70.9	65.8
- interconnections		*-1.7*	*-1.8*	*-1.7*	*-1.3*	*-2.8*	*-0.9*	*-0.2*	*0.0*
TOTAL		71.9	72.2	64.7	67.8	72.1	64.3	70.7	65.8
July (mgd)									
City of Wilmington	32.2	26.9	25.5	23.8	23.4	25.7	18.3	21.3	20.8
Artesian Water Co.	23.1	21.1	23.0	20.2	19.3	21.1	19.3	20.7	22.1
United Water Del.	25.5	23.4	25.1	22.9	22.0	24.9	22.6	22.2	21.7
City of Newark	4.9	4.3	4.3	3.8	3.5	4.0	3.7	3.9	3.9
New Castle MSC	1.2	0.5	1.1	0.5	0.4	0.4	0.4	0.5	0.5
Subtotal	87.0	76.2	79.0	71.2	68.6	76.1	64.3	70.7	69.0
- interconnections	*-4.3*	*-1.5*	*-3.5*	*-1.7*	*-0.8*	*-2.5*	*-0.8*	*-0.3*	*-0.0*
TOTAL	82.6	74.8	75.5	69.5	67.8	73.6	65.8	70.4	69.0
August (mgd)									
City of Wilmington	27.8	29.1	24.4	23.3	25.1	26.4	23.7	21.0	21.1
Artesian Water Co.	17.8	21.6	19.8	19.2	18.2	21.3	22.8	20.5	20.8
United Water Del.	20.6	24.0	23.8	21.2	21.3	25.4	25.6	22.4	20.7
City of Newark	3.9	4.8	4.2	4.0	3.6	4.1	4.4	4.1	4.1
New Castle MSC	0.6	0.7	1.0	0.4	0.4	0.5	0.5	0.5	0.5
Subtotal	70.7	80.2	73.3	68.2	68.5	77.7	77.0	68.5	67.2
minus Delaware Interconnections	*-2.8*	*-2.7*	*-4.6*	*-1.1*	*-1.5*	*-0.9*	*-1.7*	*-0.1*	*-0.0*
TOTAL	67.8	77.5	68.7	67.1	67.0	76.8	75.3	68.4	67.2

Table 6 Water supply and demand projections for northern New Castle County through 2012*

Purveyor	*2009 Projections*			*2012 Projections*		
	Supply (mgd)	*Demand (mgd)*	*Surplus (mgd)*	*Supply (mgd)*	*Demand (mgd)*	*Surplus (mgd)*
Artesian	29.0	22.8	6.2	29.0	22.9	6.1
United Water Delaware	26.8	24.4	2.4	26.8	24.5	2.3
Wilmington	38.3	26.4	11.9	38.3	26.5	11.8
Newark	7.8	4.4	3.4	7.8	4.5	3.3
New Castle MSC	1.6	0.5	1.1	1.6	0.6	1.0
Total	103.5	78.5	25.0	103.5	79.0	24.5

* Water demands for 2009 represent the maximum monthly demand recorded by each purveyor for the 5 year period 2004 – 2008. Water demands for 2012 projected based on 0.17% per year increase in population forecast for northern New Castle County by the Delaware Population Consortium.

Exhibit III-12

Summary of Supply and Projected Demand

Source of Supply

Self-Supply	22.77 MGD
ASR	0.97 MGD
Interconnections	3.70 MGD
Total Available Supply	**27.44 MGD**

WSCC Projected Peak Demand

	22.90 MGD
Margin	**4.54 MGD**